

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012070.D
 Acq On : 05 Sep 2019 00:33
 Operator : SY/SP
 Sample : VX0904SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Manual Integrations
 APPROVED

sam
 9/5/2019 2:56:06 PM

Quant Time: Sep 05 06:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	117085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91830	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
35) Dibromofluoromethane	5.48	113	72127	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	8.71	98	266387	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	117876	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	19655	18.204	ug/l	91
3) Chloromethane	1.31	50	21469	19.415	ug/l	99
4) Vinyl Chloride	1.39	62	20235	19.450	ug/l	94
5) Bromomethane	1.62	94	10202	19.768	ug/l	97
6) Chloroethane	1.70	64	12851	19.870	ug/l	98
7) Trichlorofluoromethane	1.91	101	29497	18.255	ug/l	100
8) Diethyl Ether	2.17	74	12248	21.934	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22436	18.746	ug/l #	83
10) Methyl Iodide	2.50	142	14885	17.556	ug/l	92
11) Tert butyl alcohol	3.04	59	17841	114.975	ug/l	96
12) 1,1-Dichloroethene	2.36	96	21364	18.530	ug/l	92
13) Acrolein	2.28	56	5395	121.527	ug/l	94
14) Allyl chloride	2.71	41	42128	20.194	ug/l	99
15) Acrylonitrile	3.13	53	38886	110.822	ug/l	98
16) Acetone	2.43	43	35327	91.485	ug/l	92
17) Carbon Disulfide	2.55	76	55804	16.562	ug/l	98
18) Methyl Acetate	2.76	43	24190	26.592	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	83961	22.369	ug/l	99
20) Methylene Chloride	2.84	84	32043	20.664	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	26096	19.288	ug/l	89
22) Diisopropyl ether	3.84	45	94674	22.265	ug/l	98
23) Vinyl Acetate	3.80	43	276121	100.383	ug/l	99
24) 1,1-Dichloroethane	3.68	63	52233	21.180	ug/l	99
25) 2-Butanone	4.66	43	53054	107.935	ug/l	99
26) 2,2-Dichloropropane	4.56	77	38894	17.082	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	32968	20.788	ug/l	93
28) Bromochloromethane	5.00	49	23261	23.629	ug/l #	80
29) Tetrahydrofuran	5.12	42	32789	110.717	ug/l	98
30) Chloroform	5.19	83	57049	21.559	ug/l	97
31) Cyclohexane	5.56	56	35424	17.885	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47054	20.416	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35375	17.390	ug/l	94
37) Ethyl Acetate	4.83	43	22656	20.481	ug/l	98
38) Carbon Tetrachloride	5.77	117	37929	17.694	ug/l	96

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Manual Integrations
 APPROVED

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Quant Time: Sep 05 06:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38441	16.282	ug/l	97
40) Benzene	6.13	78	110675	18.951	ug/l	99
41) Methacrylonitrile	5.03	41	13622	20.649	ug/l	94
42) 1,2-Dichloroethane	6.18	62	44643	21.243	ug/l	97
43) Isopropyl Acetate	6.44	43	46606	20.720	ug/l	99
44) Trichloroethene	7.20	130	29420	18.678	ug/l	81
45) 1,2-Dichloropropane	7.51	63	30407	20.153	ug/l	100
46) Dibromomethane	7.65	93	17585	19.965	ug/l #	75
47) Bromodichloromethane	7.89	83	44711	19.970	ug/l	95
48) Methyl methacrylate	7.76	41	23487	20.767	ug/l	95
49) 1,4-Dioxane	7.73	88	6594	427.699	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	120611	105.423	ug/l	99
52) Toluene	8.78	92	71631	18.852	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	42850	18.487	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48675	18.884	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	26062	20.696	ug/l	98
56) Ethyl methacrylate	9.17	69	36600	20.291	ug/l	97
57) 1,3-Dichloropropane	9.37	76	44580	20.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	85031	104.566	ug/l	94
59) 2-Hexanone	9.49	43	85350	102.240	ug/l	97
60) Dibromochloromethane	9.57	129	30400	20.256	ug/l	99
61) 1,2-Dibromoethane	9.67	107	24468	20.109	ug/l	98
64) Tetrachloroethene	9.33	164	27840	20.726	ug/l #	89
65) Chlorobenzene	10.14	112	81756	19.232	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	30563	19.662	ug/l	97
67) Ethyl Benzene	10.25	91	144553	18.655	ug/l	96
68) m/p-Xylenes	10.36	106	105293	36.880	ug/l	89
69) o-Xylene	10.70	106	52075	18.810	ug/l	88
70) Styrene	10.71	104	92567	19.250	ug/l	95
71) Bromoform	10.86	173	16618	19.465	ug/l #	100
73) Isopropylbenzene	11.01	105	139687	18.330	ug/l	97
74) N-amyl acetate	10.89	43	43172	19.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32109	20.211	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	24351m	19.188	ug/l	
77) Bromobenzene	11.25	156	34392	20.179	ug/l	69
78) n-propylbenzene	11.35	91	164266	17.842	ug/l	95
79) 2-Chlorotoluene	11.42	91	104550	18.745	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	125846	18.844	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8806	16.405	ug/l	91
82) 4-Chlorotoluene	11.51	91	129551	19.487	ug/l	89
83) tert-Butylbenzene	11.76	119	118096	18.553	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	127845	18.626	ug/l	96
85) sec-Butylbenzene	11.94	105	143937	18.206	ug/l	93
86) p-Isopropyltoluene	12.06	119	130008	18.082	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	66184	19.379	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	66837	19.573	ug/l	94
89) n-Butylbenzene	12.39	91	124488	17.824	ug/l	96
90) Hexachloroethane	12.59	117	26291	18.313	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	61624	20.035	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6596	19.841	ug/l	66

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VX0904SBSD02

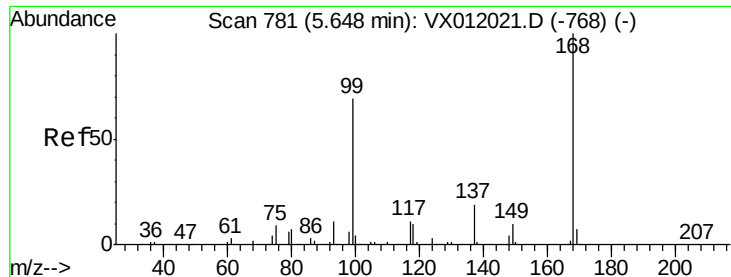
Manual Integrations
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9/5/2019 2:56:06 PM

Quant Time: Sep 05 06:00:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39866	18.210	µg/l	96
94) Hexachlorobutadiene	13.78	225	19864	18.000	µg/l	98
95) Naphthalene	13.83	128	92273	19.474	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	36109	18.748	µg/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion:168 Resp: 117085

Ion Ratio Lower Upper

168 100

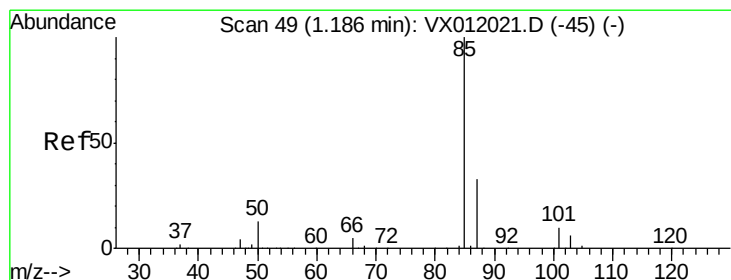
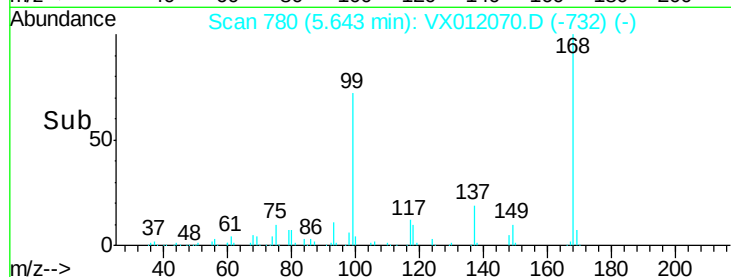
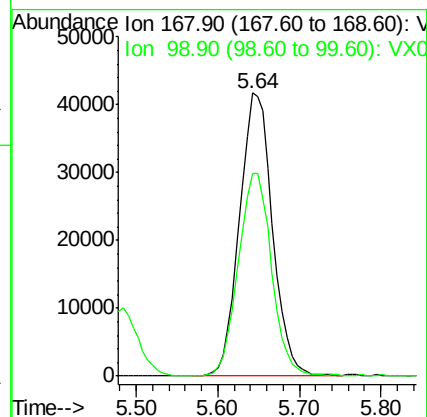
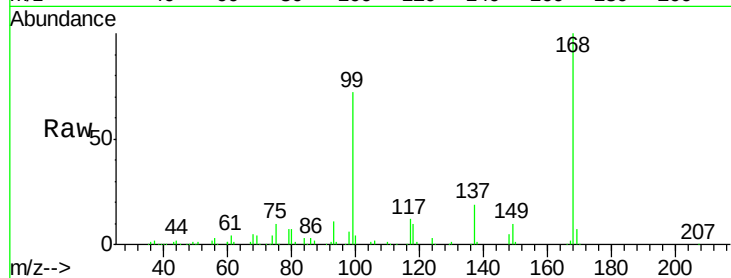
99 71.7 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.204 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012070.D

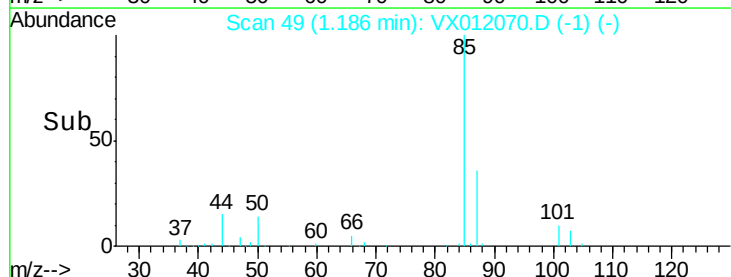
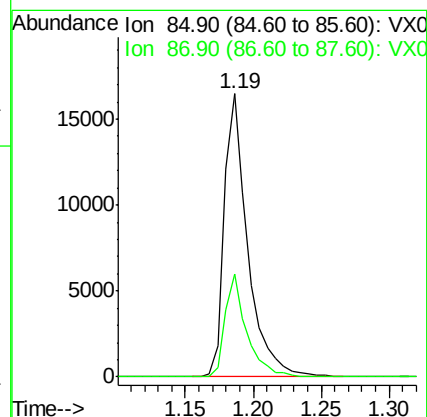
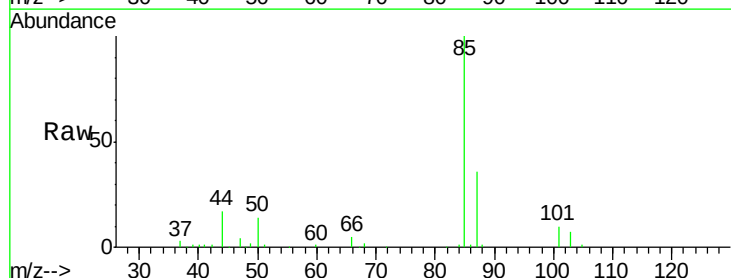
Acq: 05 Sep 2019 00:33

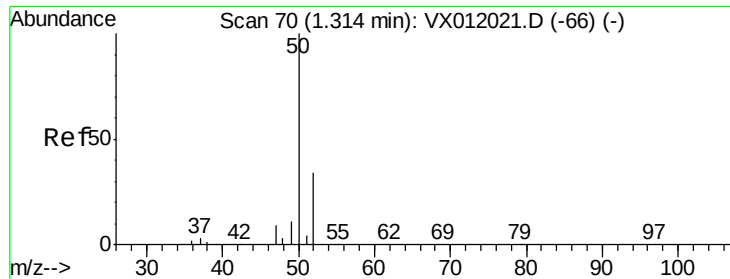
Tgt Ion: 85 Resp: 19655

Ion Ratio Lower Upper

85 100

87 36.4 15.6 46.8





#3

Chloromethane

Concen: 19.415 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion: 50 Resp: 21469

Ion Ratio Lower Upper

50 100

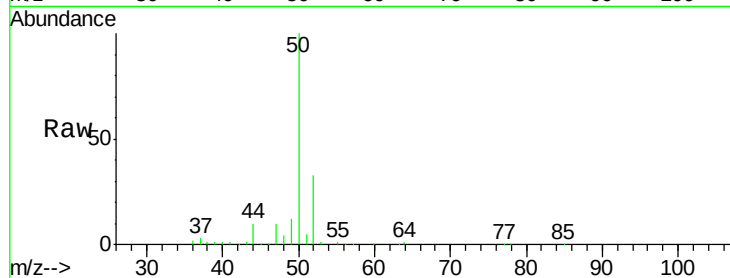
52 33.5 26.5 39.7

Manual Integrations

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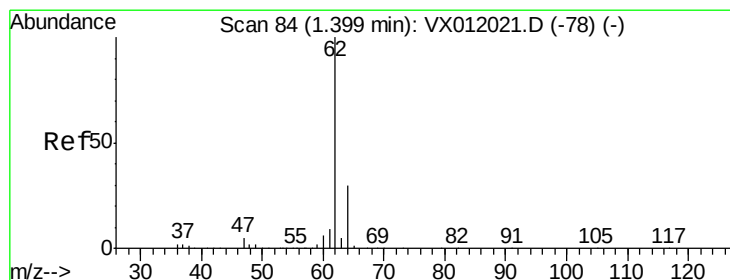
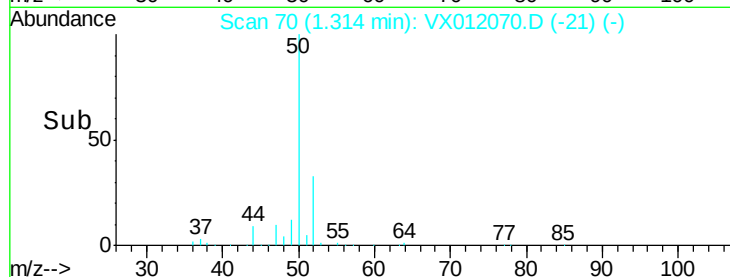
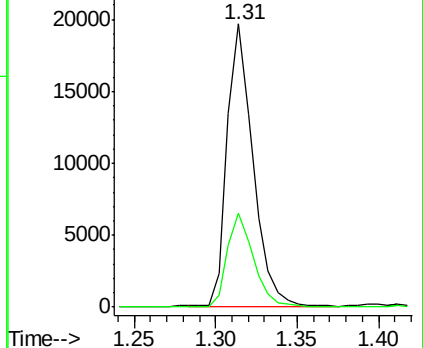
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.450 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012070.D

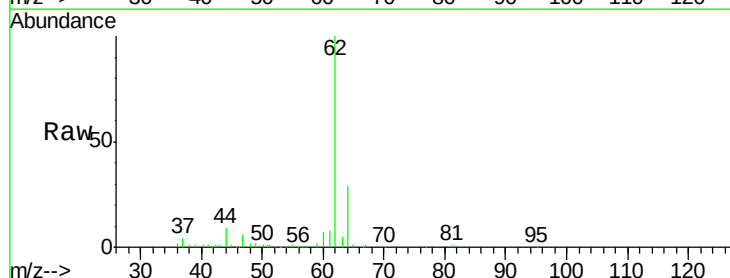
Acq: 05 Sep 2019 00:33

Tgt Ion: 62 Resp: 20235

Ion Ratio Lower Upper

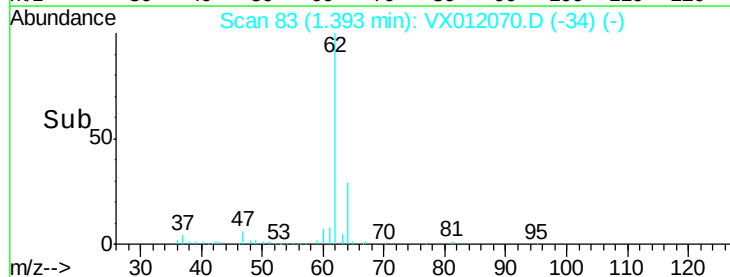
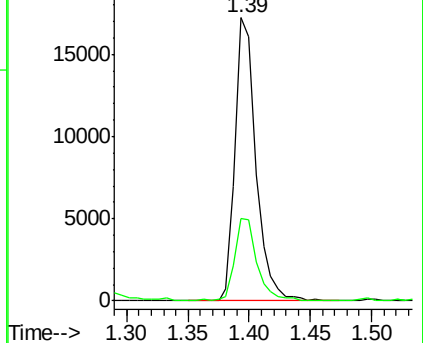
62 100

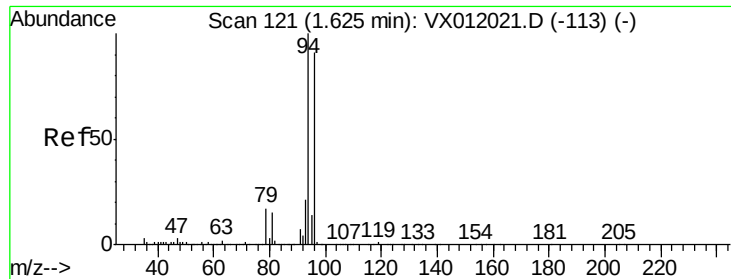
64 29.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.768 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion: 94 Resp: 10202

Ion Ratio Lower Upper

94 100

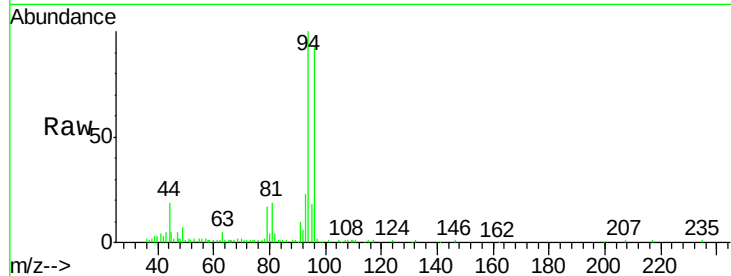
96 92.9 76.3 114.5

Manual Integrations

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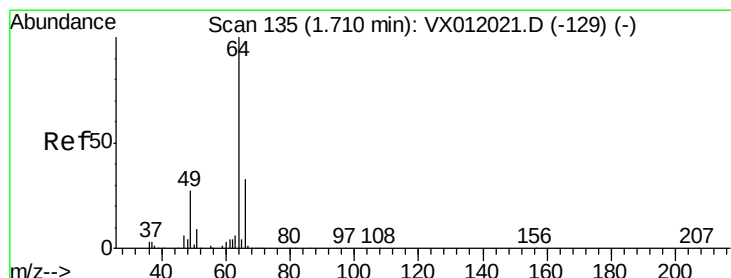
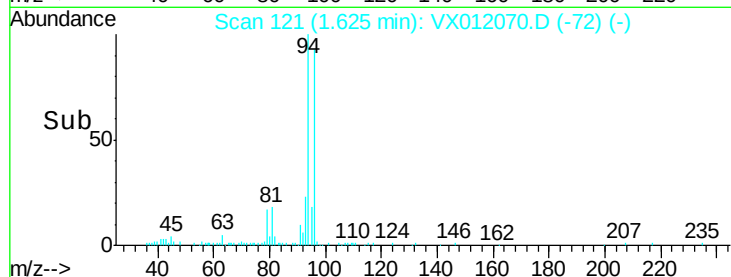
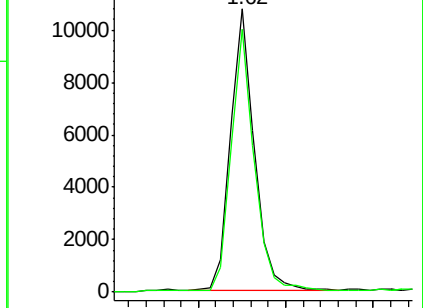
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.870 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012070.D

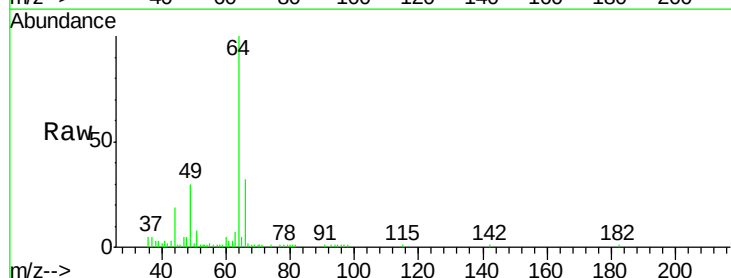
Acq: 05 Sep 2019 00:33

Tgt Ion: 64 Resp: 12851

Ion Ratio Lower Upper

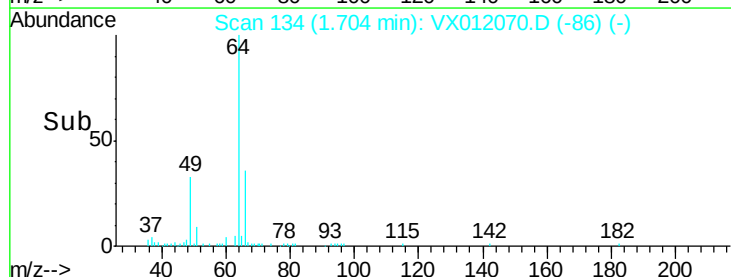
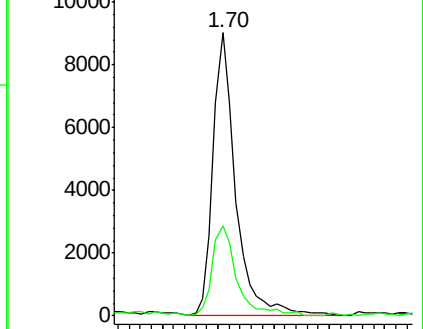
64 100

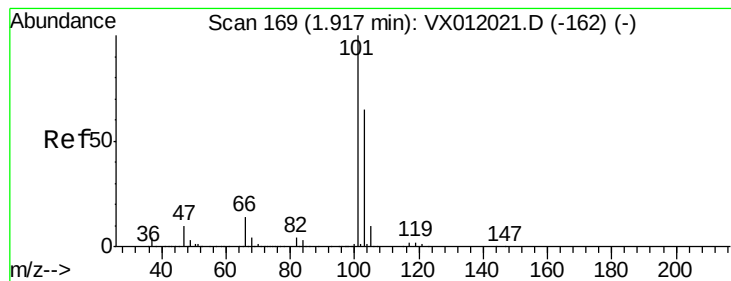
66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

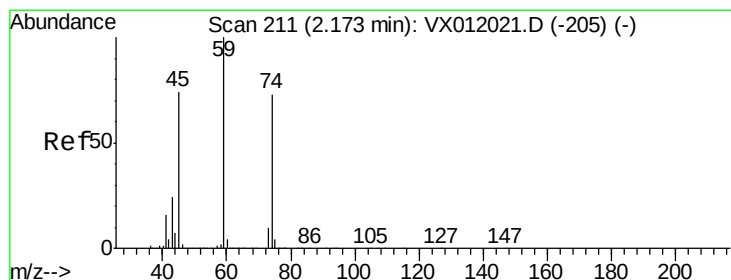
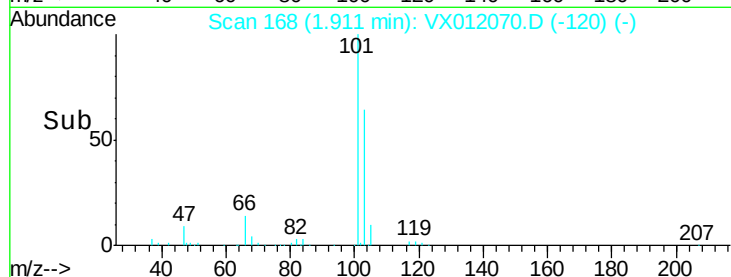
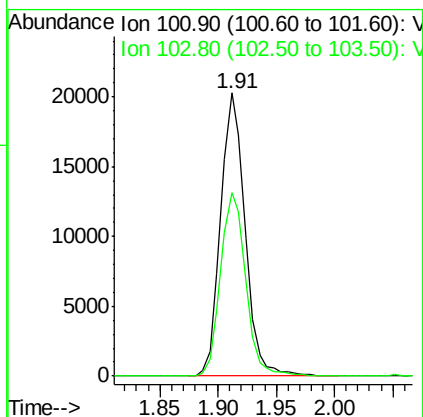
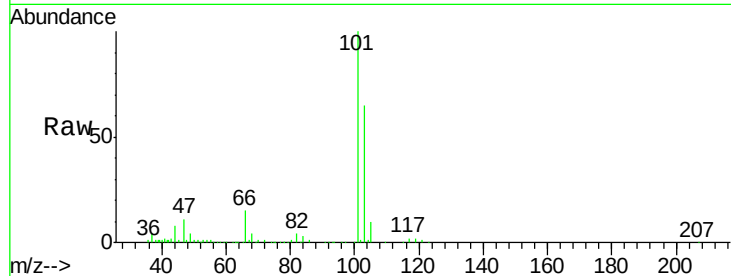
Trichlorofluoromethane
 Concen: 18.255 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
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 ClientSampleId :
 VX0904SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

Manual Integrations
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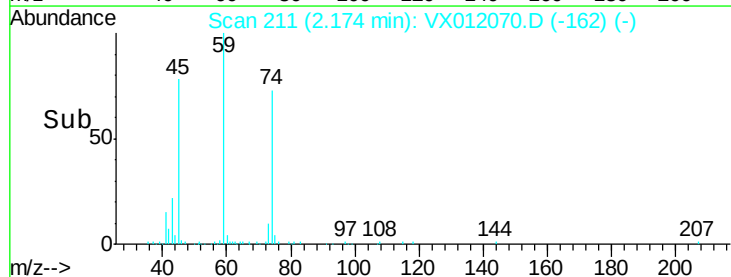
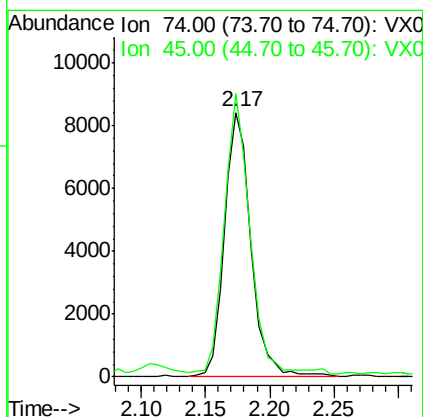
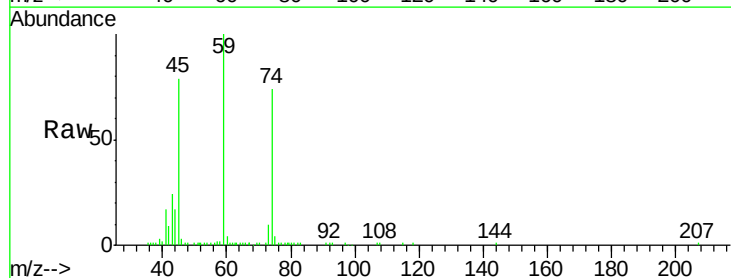
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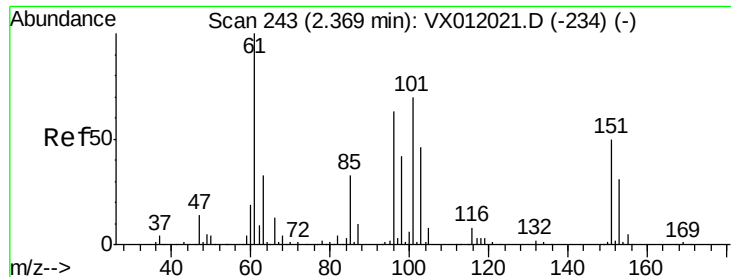


#8

Diethyl Ether
 Concen: 21.934 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.746 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion:101 Resp: 22436

Ion Ratio Lower Upper

101 100

85 45.8 34.5 51.7

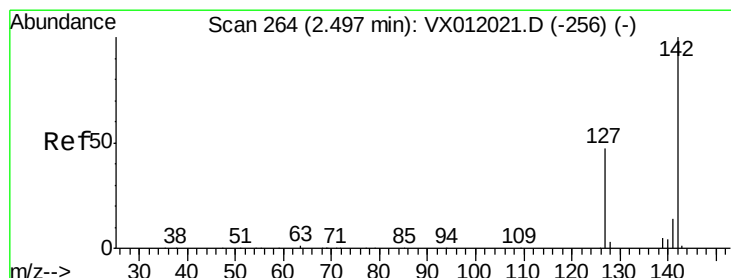
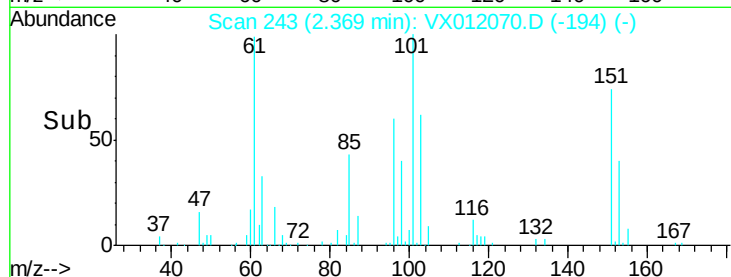
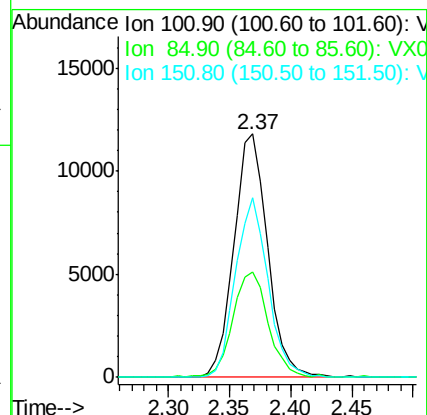
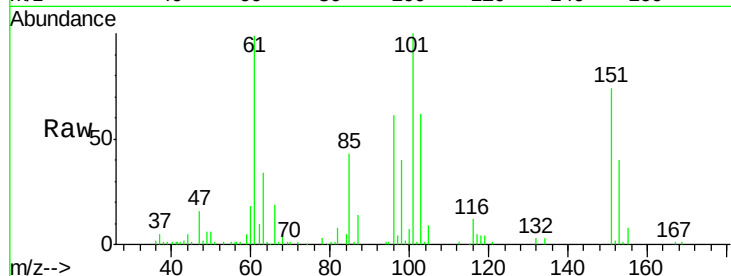
151 71.6 75.0 112.4#

Manual Integrations

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sam

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#10

Methyl Iodide

Concen: 17.556 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

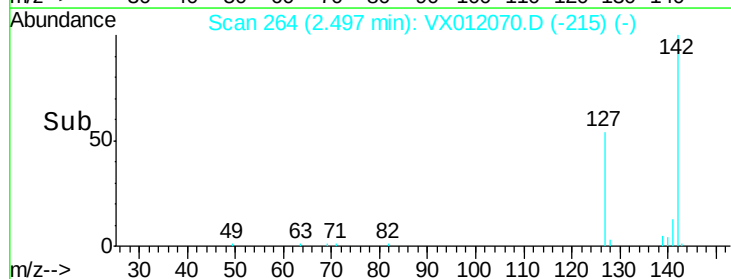
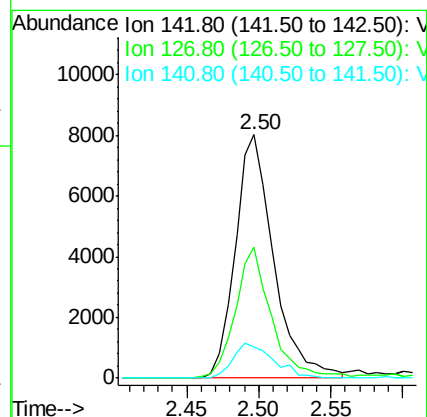
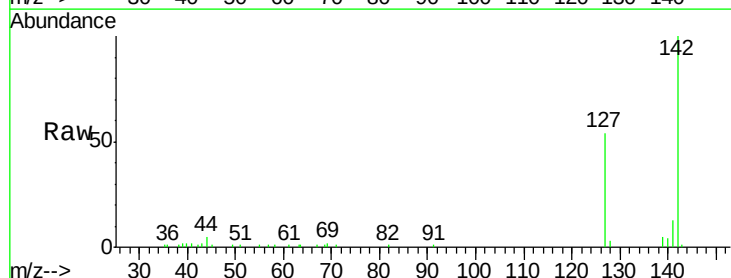
Tgt Ion:142 Resp: 14885

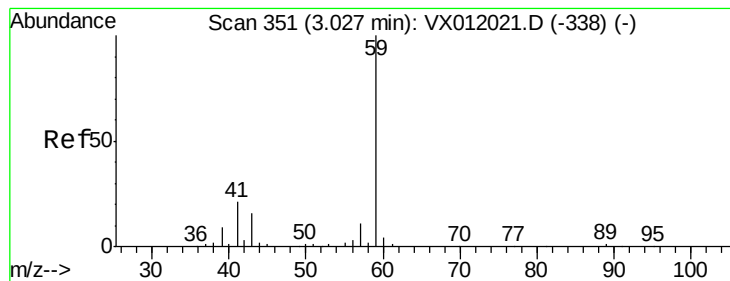
Ion Ratio Lower Upper

142 100

127 50.6 35.4 53.2

141 15.1 11.4 17.2





#11

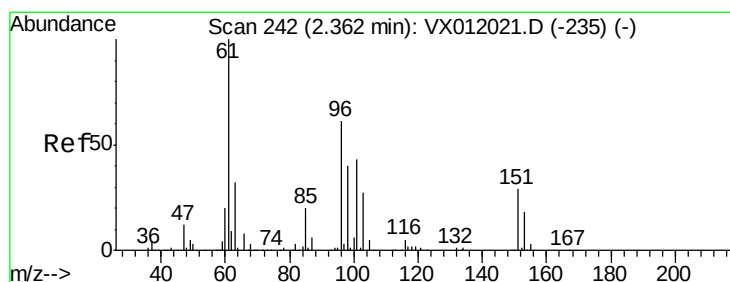
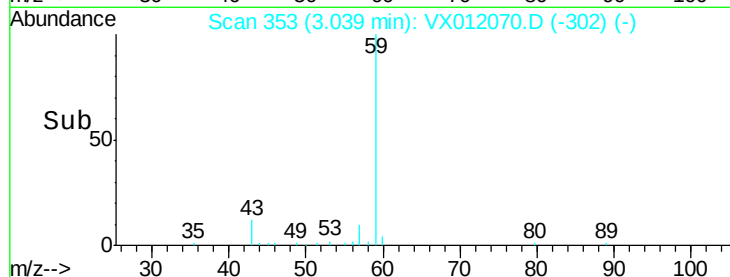
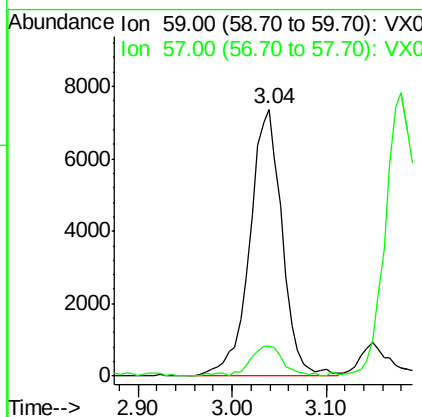
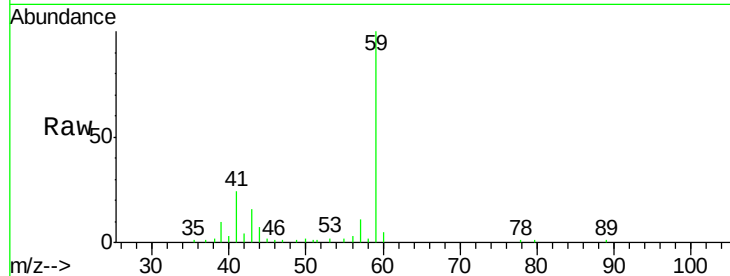
Tert butyl alcohol
 Concen: 114.975 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion	59	57	Ratio	100	11.4	Resp:	17841	Lower	7.9	Upper	11.9
Ion	59	57	Ratio	100	11.4	Resp:	17841	Lower	7.9	Upper	11.9

Manual Integrations
 APPROVED

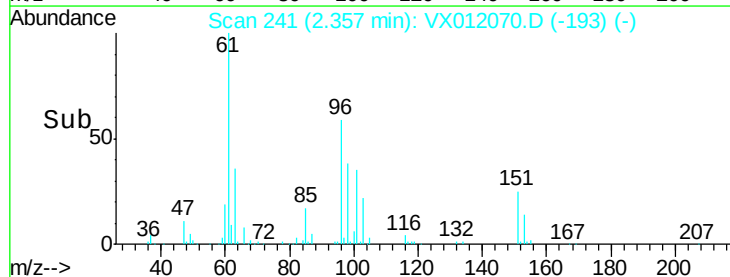
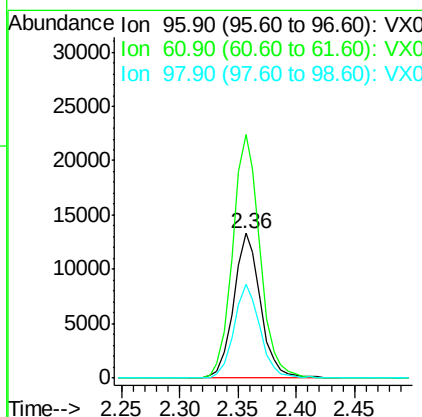
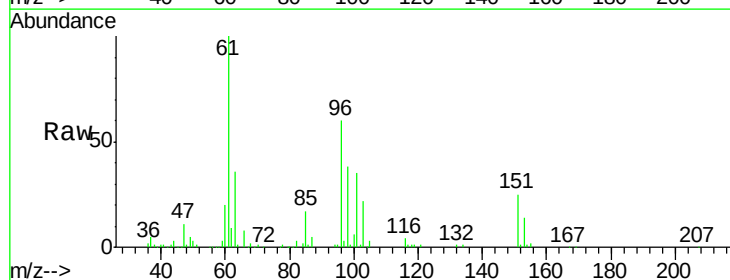
sam
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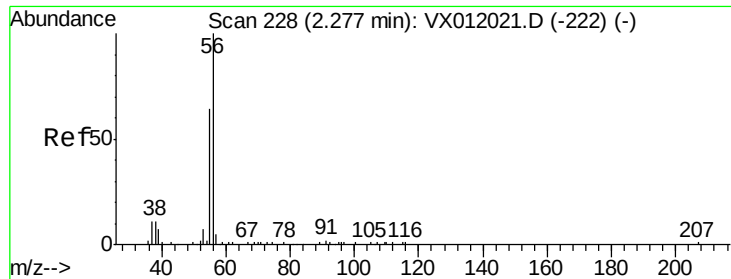


#12

1,1-Dichloroethene
 Concen: 18.530 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	96	61	98	Ratio	100	167.9	64.4	Resp:	21364	Lower	124.1	Upper	186.1	75.2
Ion	96	61	98	Ratio	100	167.9	64.4	Resp:	21364	Lower	124.1	Upper	186.1	75.2





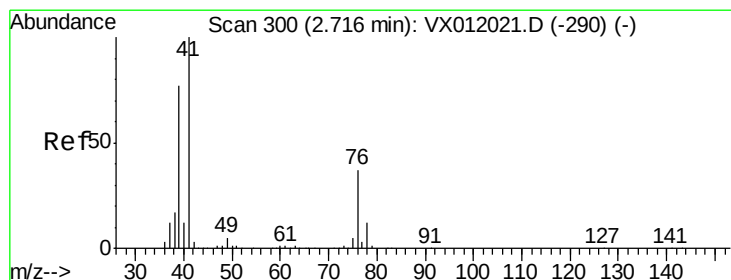
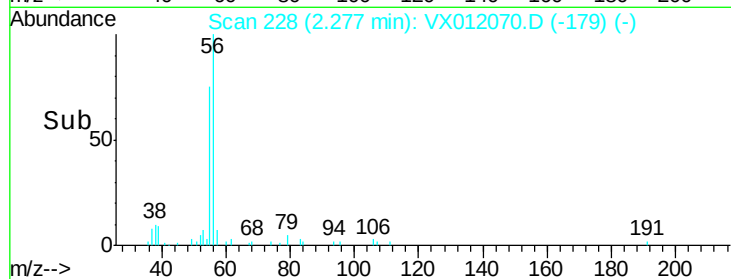
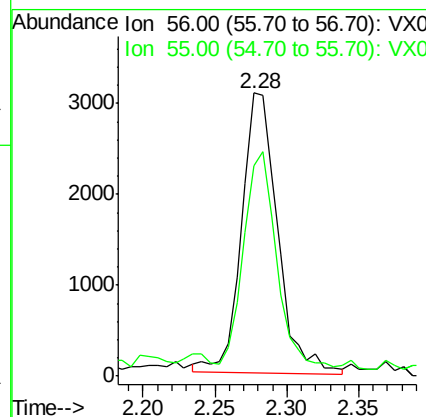
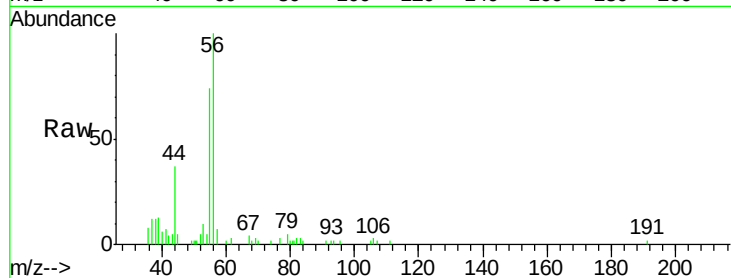
#13
 Acrolein
 Concen: 121.527 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904SBSD02

Tot Ion	56	Resp	5395
Ion Ratio	100	Lower	Upper
55	68.7	59.2	88.8

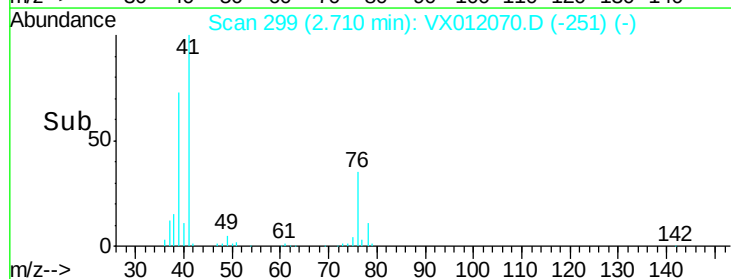
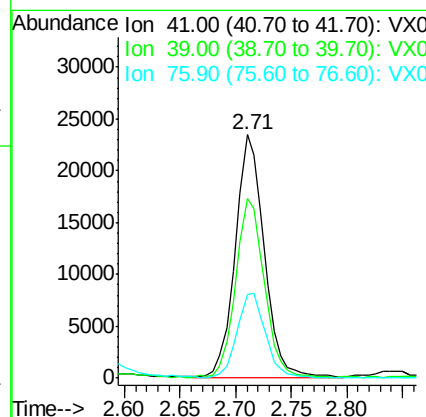
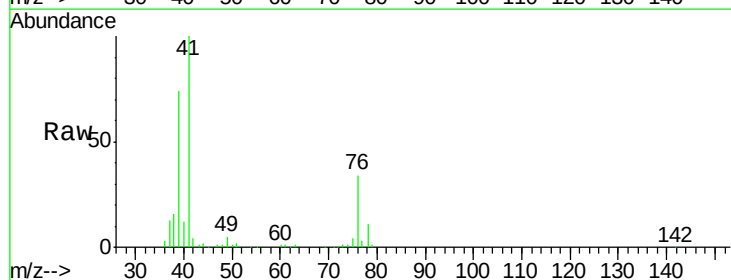
Manual Integrations
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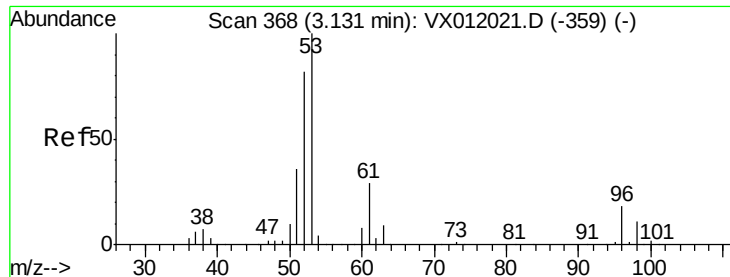
sam
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#14
 Allyl chloride
 Concen: 20.194 ug/l
 RT: 2.71 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	41	Resp	42128
Ion Ratio	100	Lower	Upper
39	72.7	57.9	86.9
76	34.6	28.5	42.7





#15

Acrylonitrile

Concen: 110.822 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

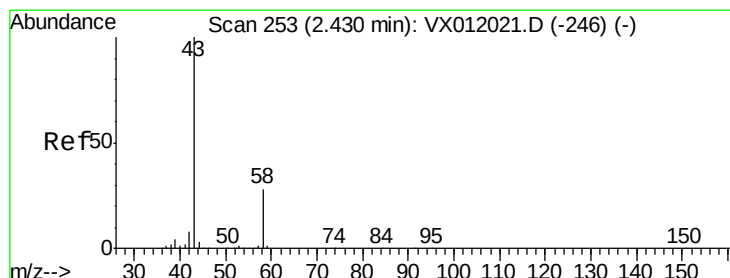
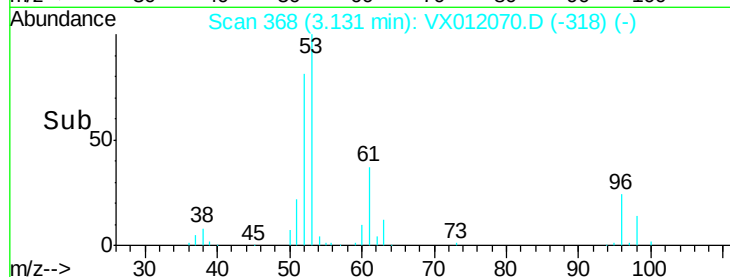
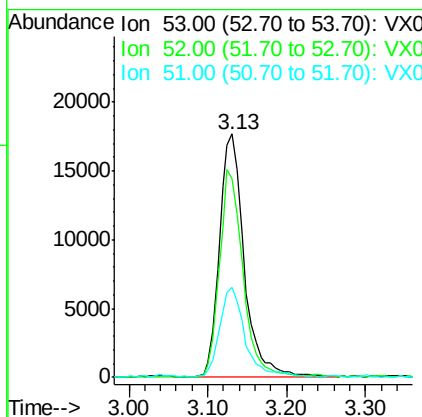
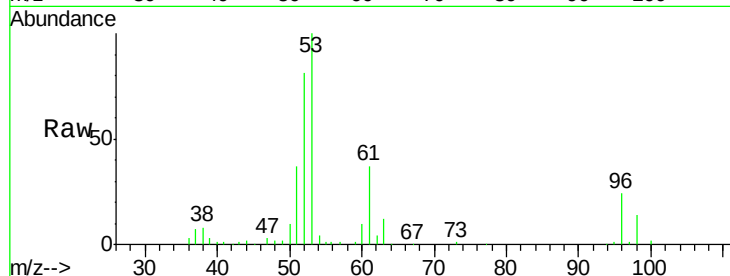
ClientSampleId :

VX0904SBSD02

Tot Ion:	53	Resp:	38886
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.6	98.4
51	37.9	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 91.485 ug/l

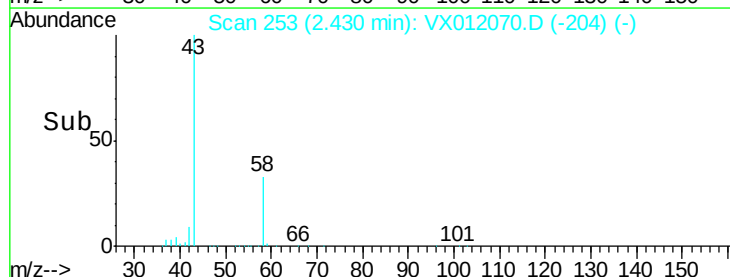
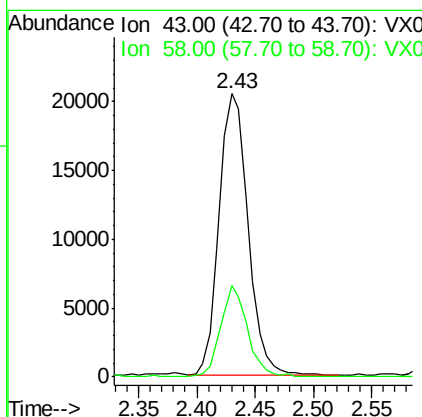
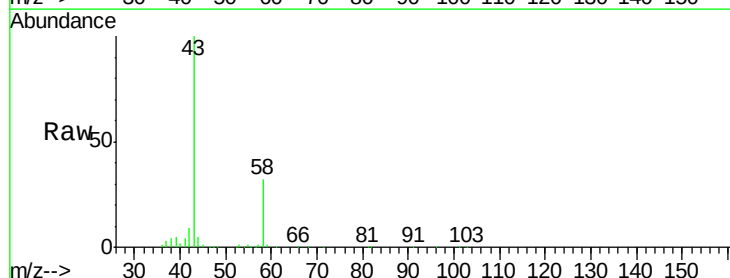
RT: 2.43 min Scan# 253

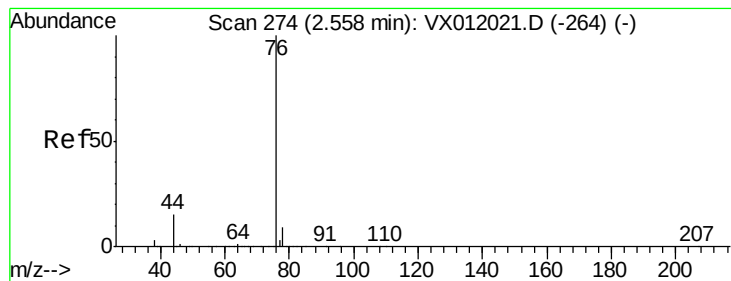
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	43	Resp:	35327
Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.8	34.2





#17

Carbon Disulfide

Concen: 16.562 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampled :

VX0904SBS02

Tot Ion: 76 Resp: 55804

Ion Ratio Lower Upper

76 100

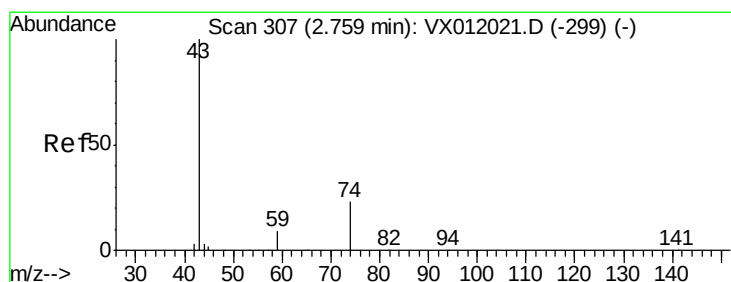
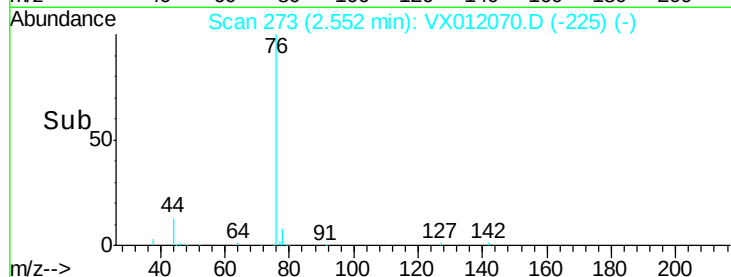
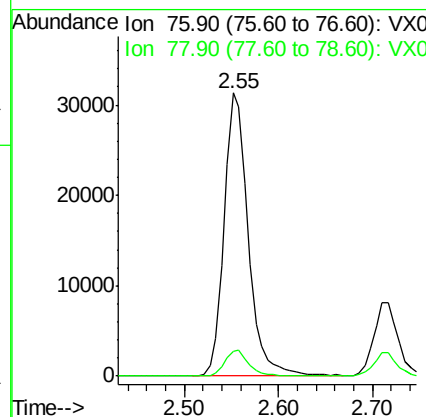
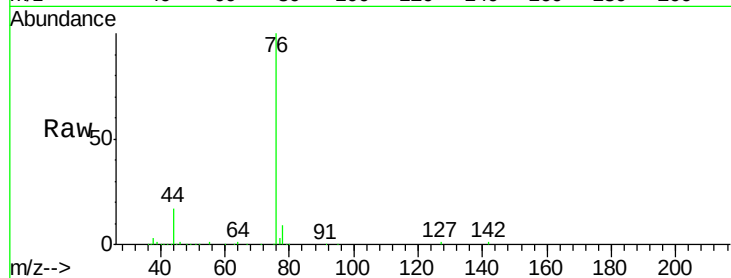
78 8.7 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 26.592 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012070.D

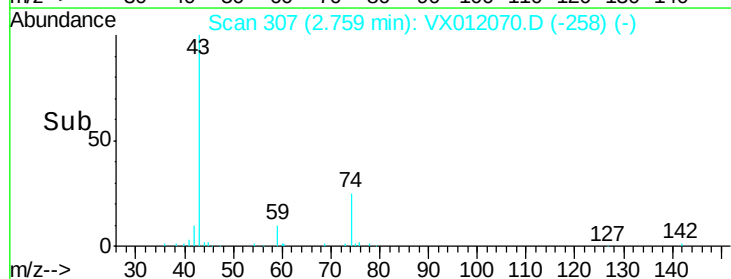
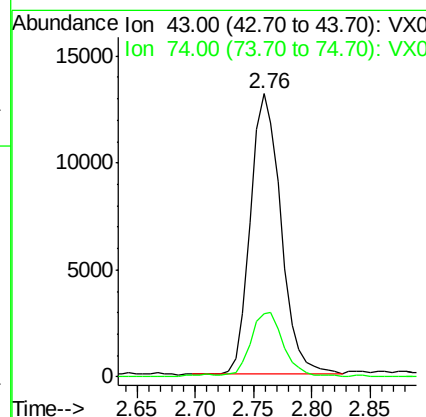
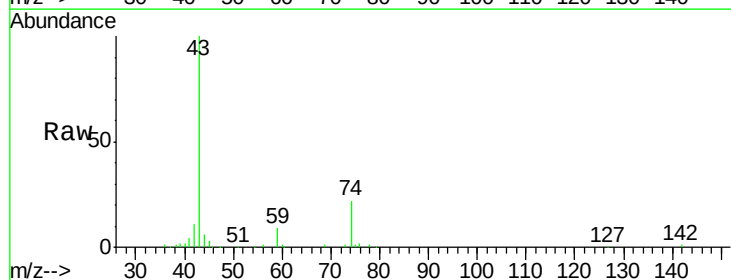
Acq: 05 Sep 2019 00:33

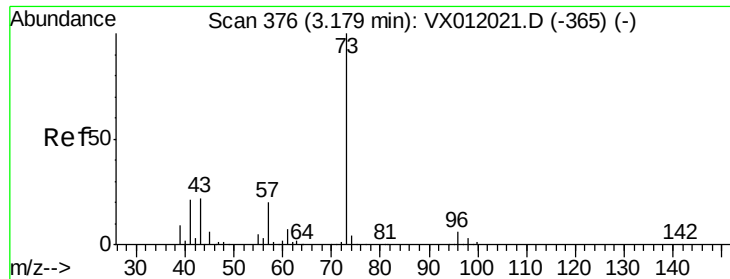
Tgt Ion: 43 Resp: 24190

Ion Ratio Lower Upper

43 100

74 24.8 19.5 29.3





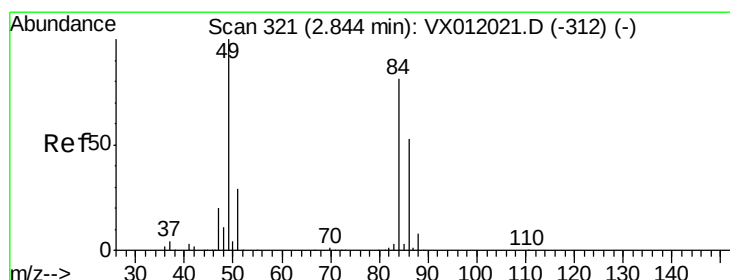
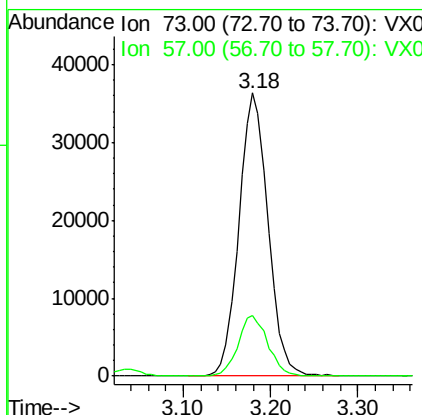
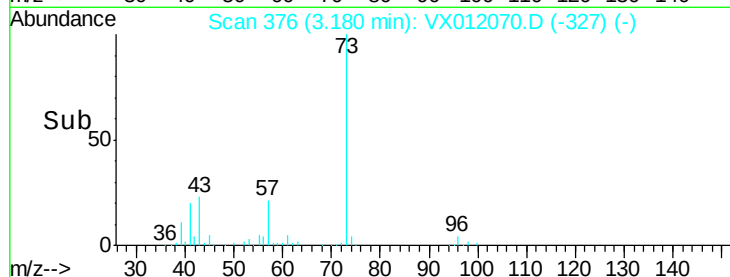
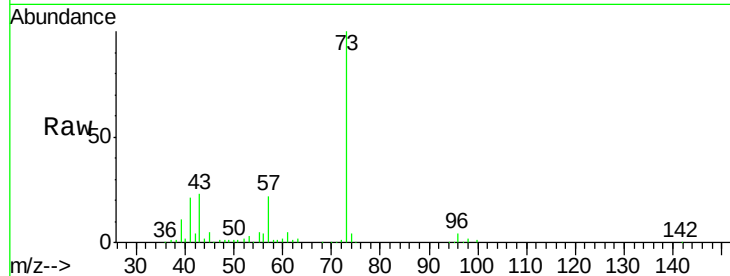
#19
Methyl tert-butyl Ether
Concen: 22.369 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion: 73 Resp: 83961
Ion Ratio Lower Upper
73 100
57 21.2 16.6 25.0

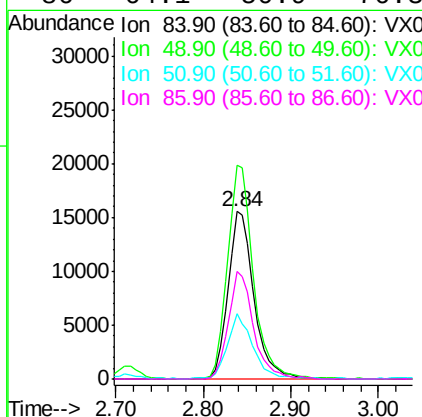
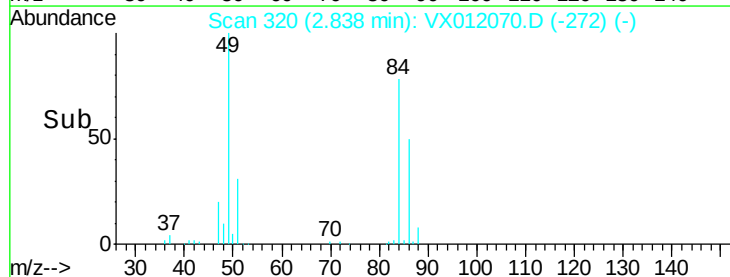
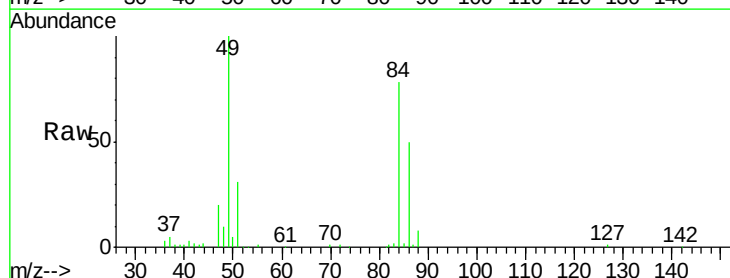
Manual Integrations
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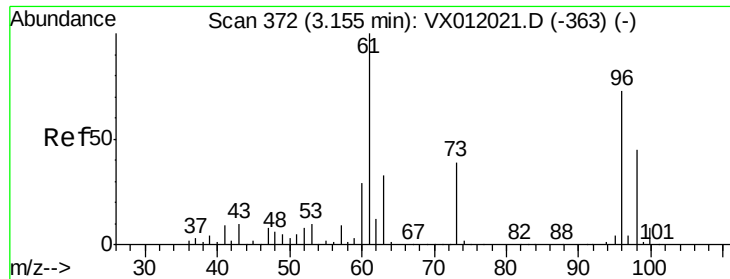
sam
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#20
Methylene Chloride
Concen: 20.664 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion: 84 Resp: 32043
Ion Ratio Lower Upper
84 100
49 127.4 95.8 143.8
51 39.1 28.6 43.0
86 64.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.288 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion: 96 Resp: 26096

Ion Ratio Lower Upper

96 100

61 151.2 107.0 160.6

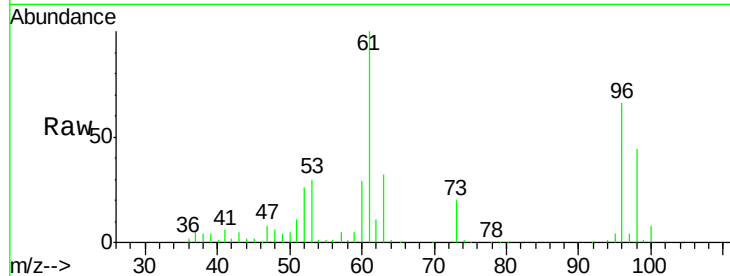
98 65.8 49.8 74.6

Manual Integrations

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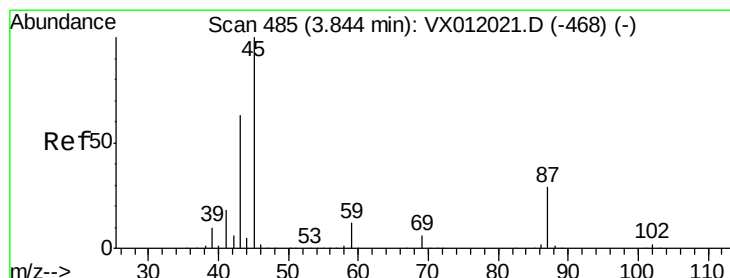
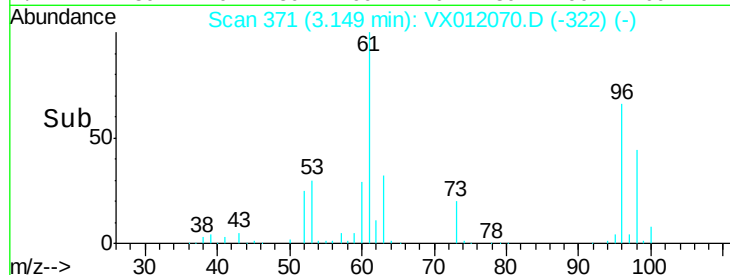
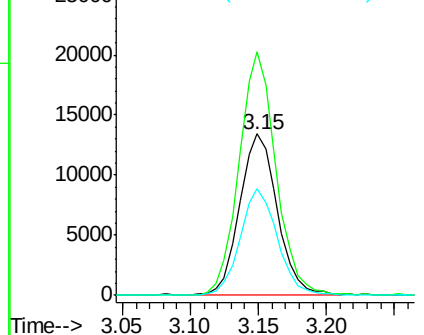
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.265 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion: 45 Resp: 94674

Ion Ratio Lower Upper

45 100

43 70.1 54.2 81.4

87 28.7 23.4 35.0

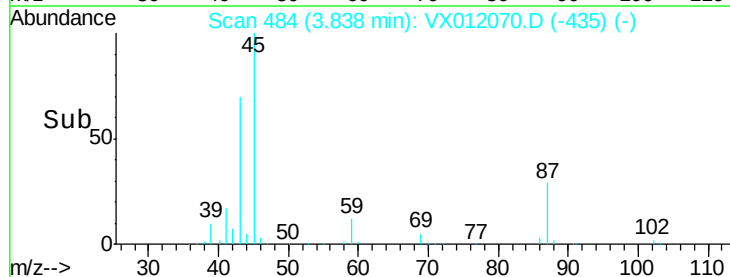
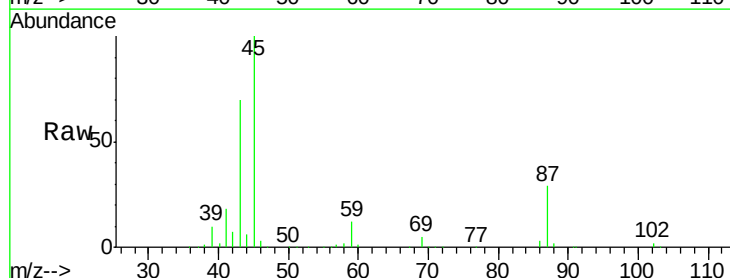
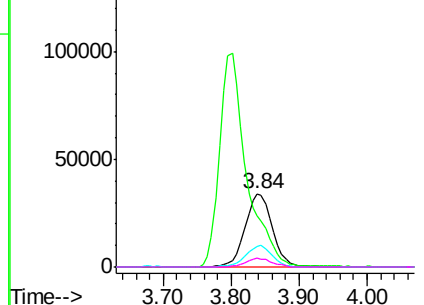
59 12.3 9.0 13.6

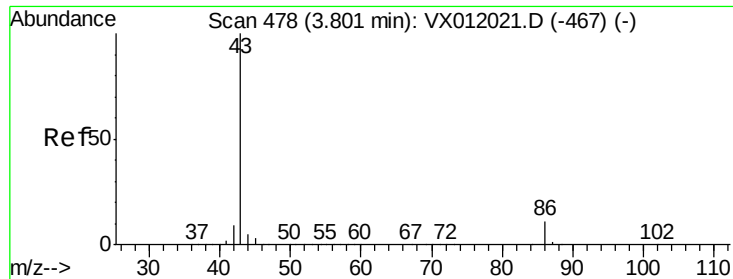
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.383 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion: 43 Resp: 276121

Ion Ratio Lower Upper

43 100

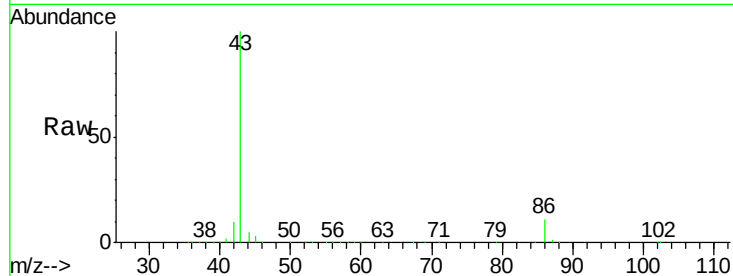
86 10.7 9.0 13.6

Manual Integrations

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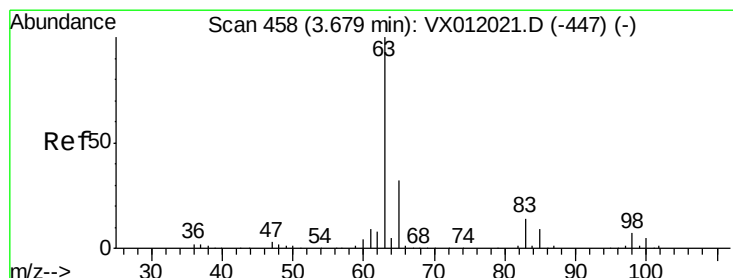
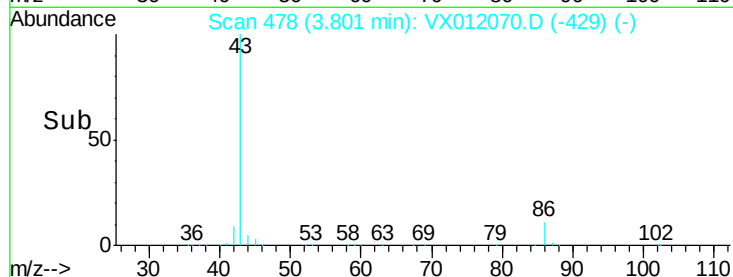
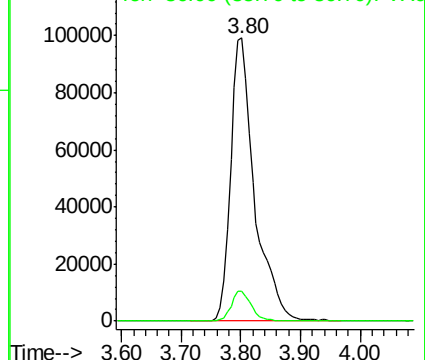
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.180 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

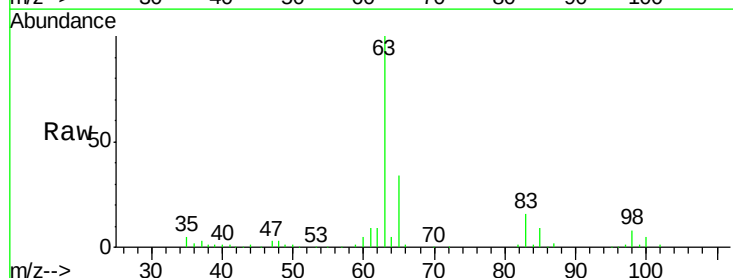
Tgt Ion: 63 Resp: 52233

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

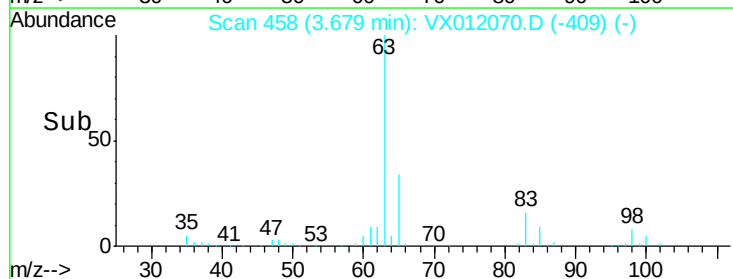
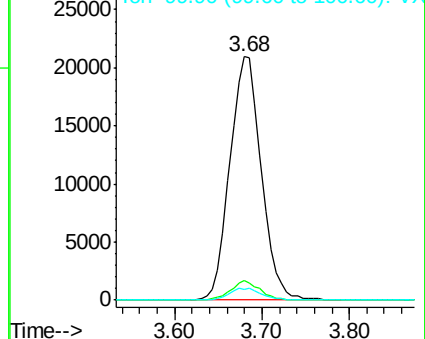
100 4.6 2.5 7.4

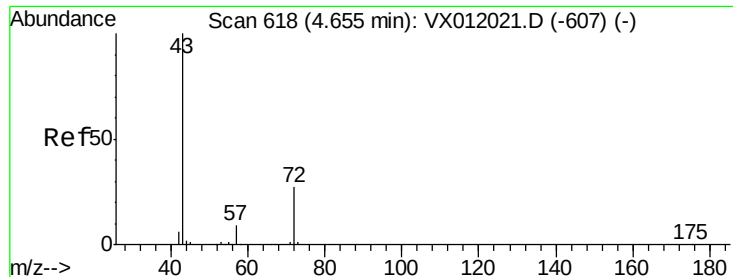


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 107.935 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion: 43 Resp: 53054

Ion Ratio Lower Upper

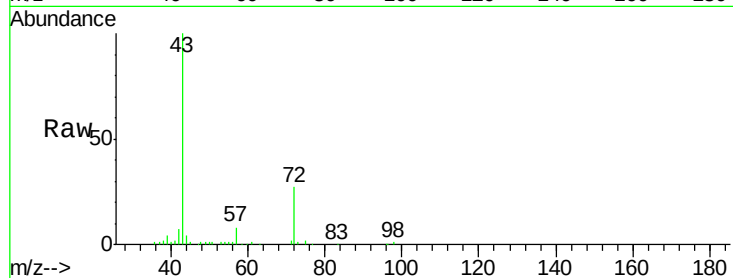
43 100

72 27.1 21.3 31.9

Manual Integrations
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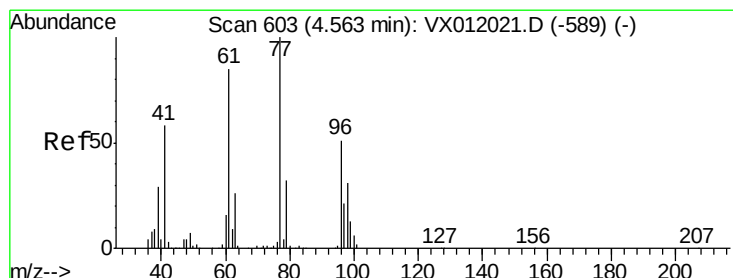
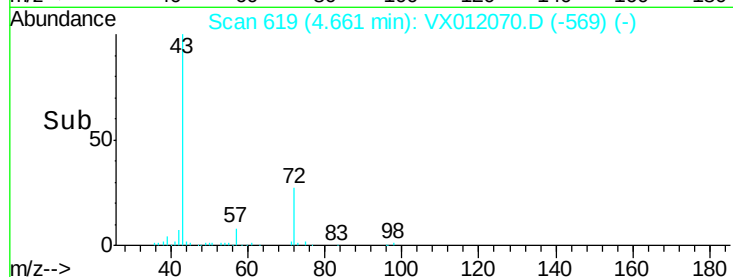
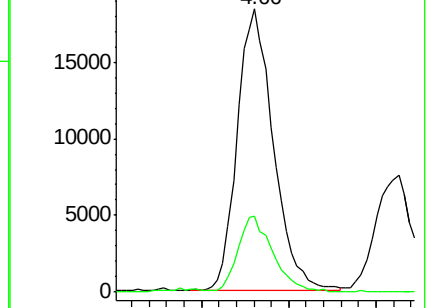
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.082 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012070.D

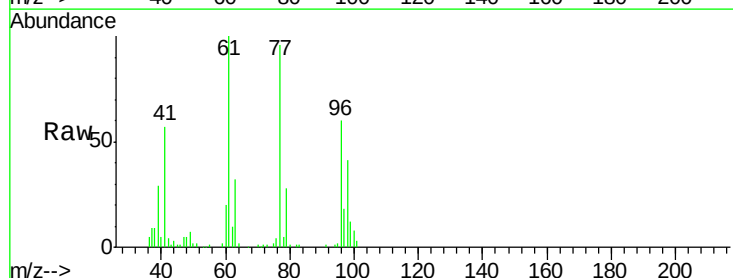
Acq: 05 Sep 2019 00:33

Tgt Ion: 77 Resp: 38894

Ion Ratio Lower Upper

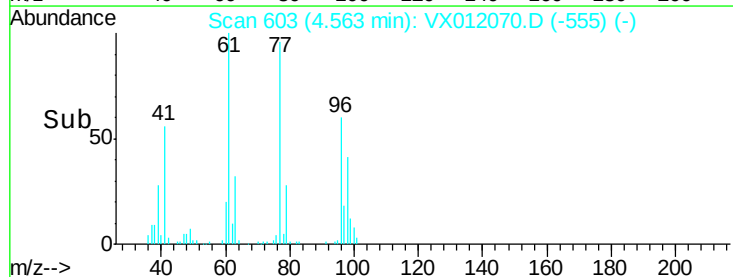
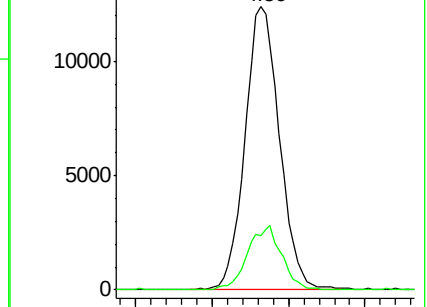
77 100

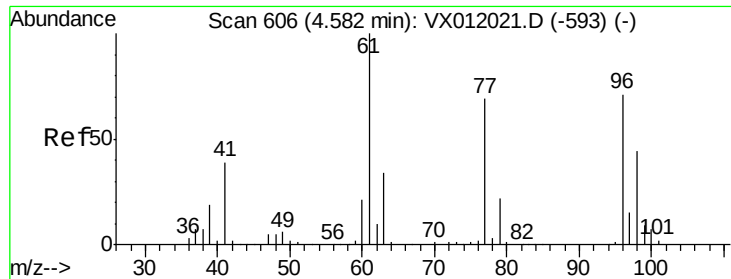
97 22.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

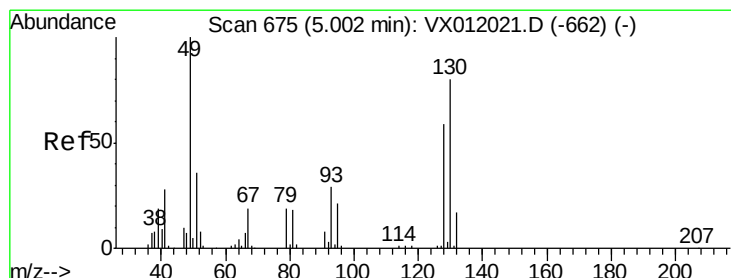
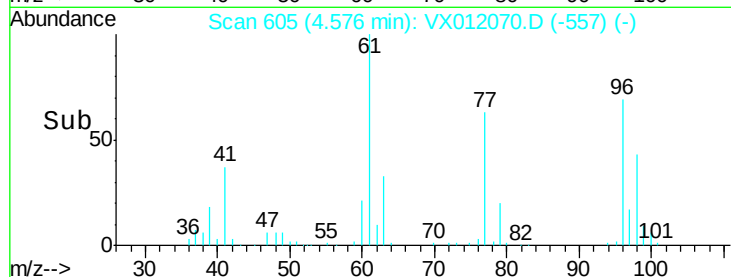
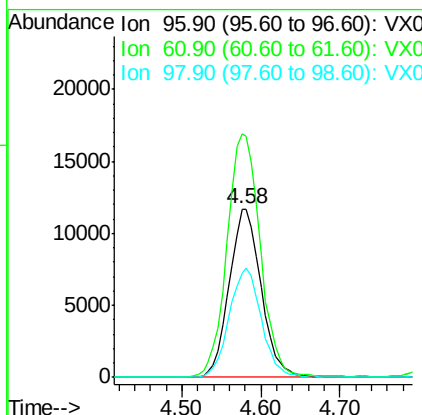
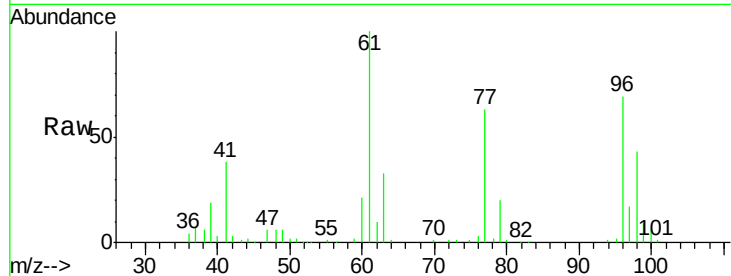
cis-1,2-Dichloroethene
Concen: 20.788 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32968		
61	150.6	0.0	277.0	
98	65.1	0.0	128.4	

Manual Integrations
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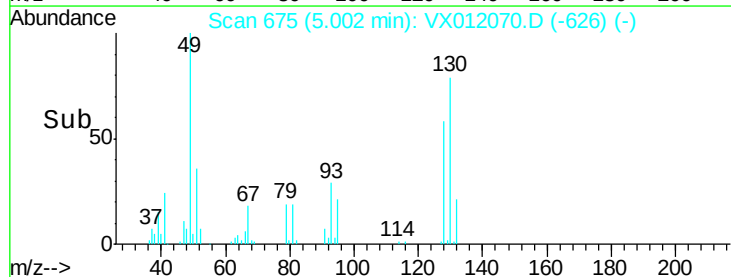
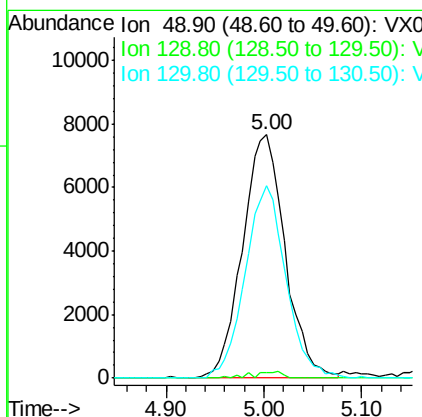
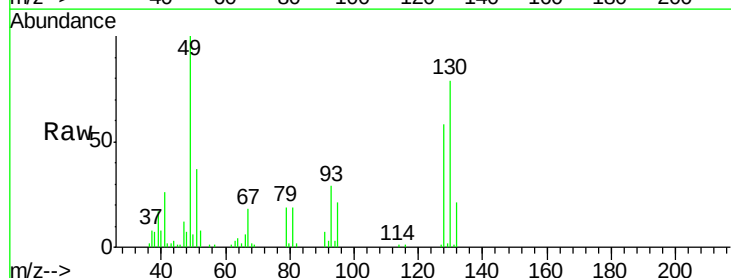
sam
9/5/2019 2:56:06 PM

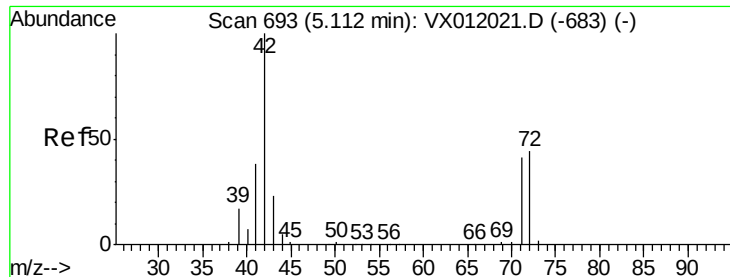


#28

Bromochloromethane
Concen: 23.629 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23261		
129	1.2	0.0	5.6	
130	75.7	76.7	115.1#	





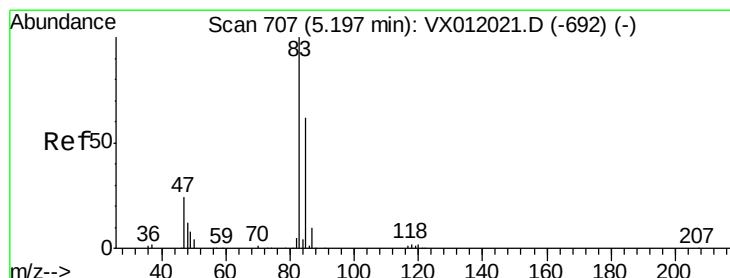
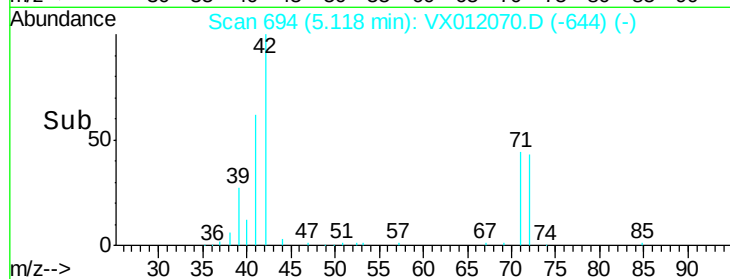
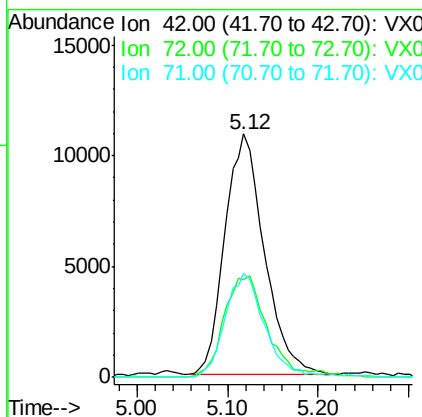
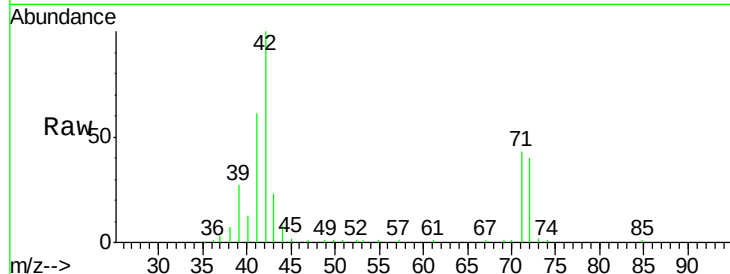
#29
Tetrahydrofuran
Concen: 110.717 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.0	55.4
71	43.6	33.8	50.8

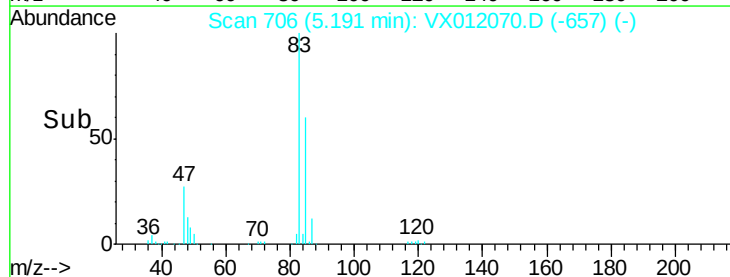
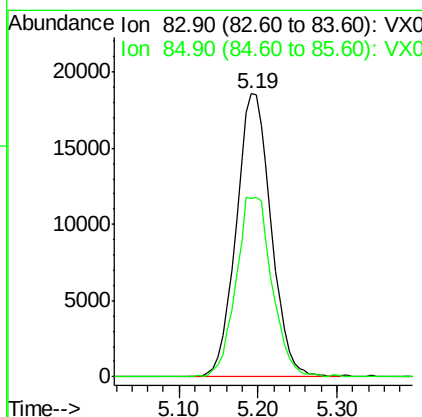
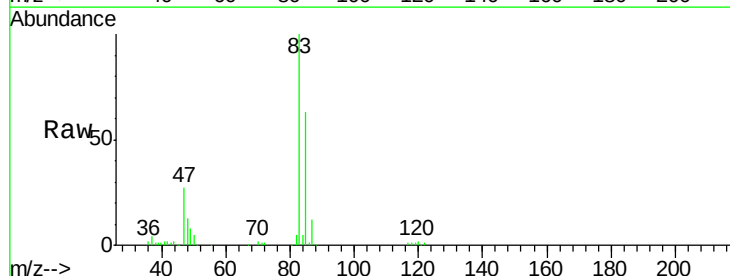
Manual Integrations
APPROVED

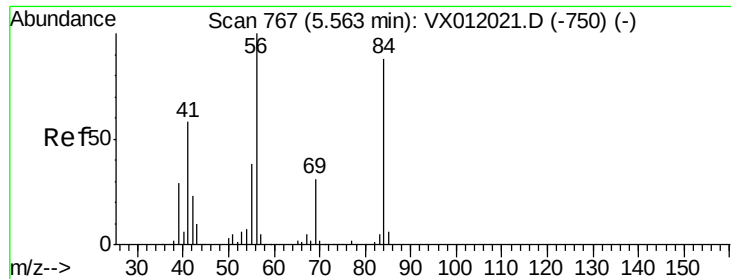
sam
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#30
Chloroform
Concen: 21.559 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8





#31

Cyclohexane

Concen: 17.885 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

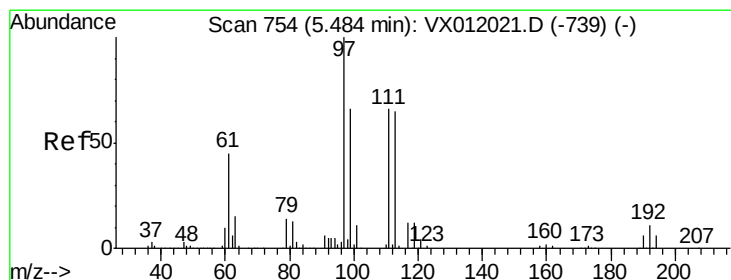
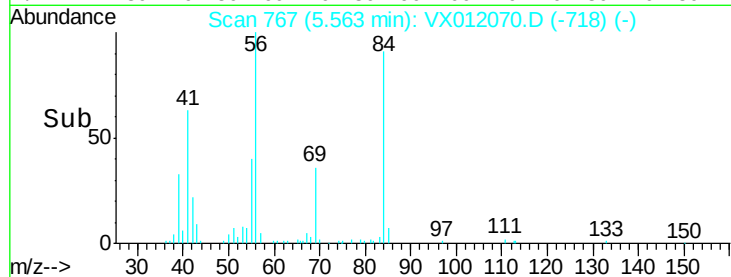
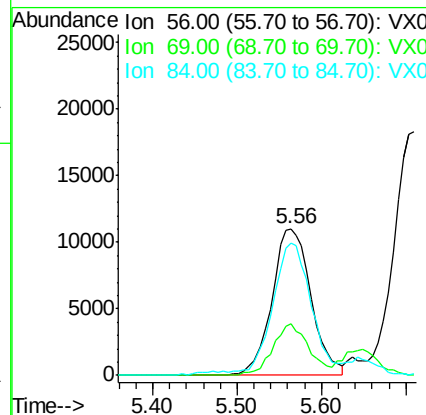
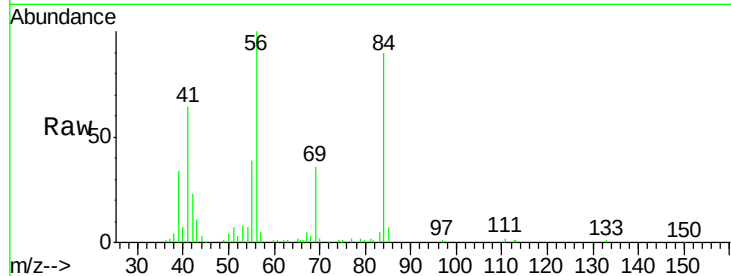
ClientSampleId :

VX0904SBS02

Tot Ion:	56	Resp:	35424
Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.7	38.5
84	89.0	70.3	105.5

Manual Integrations
APPROVED

sam
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#32

1,1,1-Trichloroethane

Concen: 20.416 ug/l

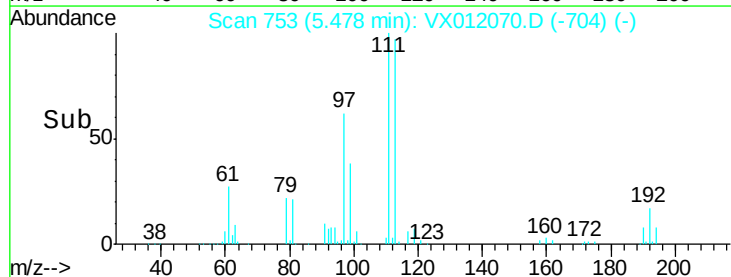
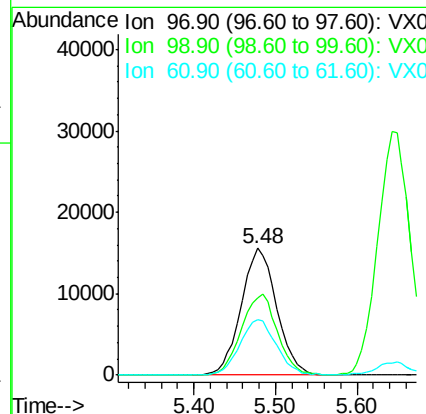
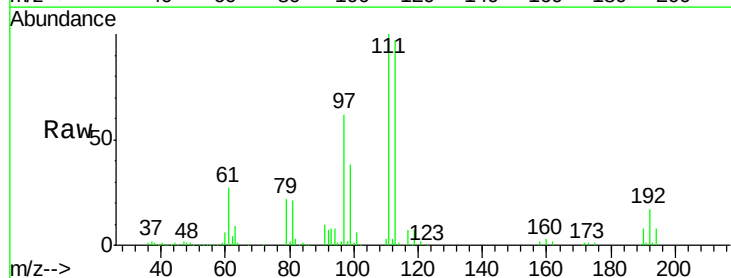
RT: 5.48 min Scan# 753

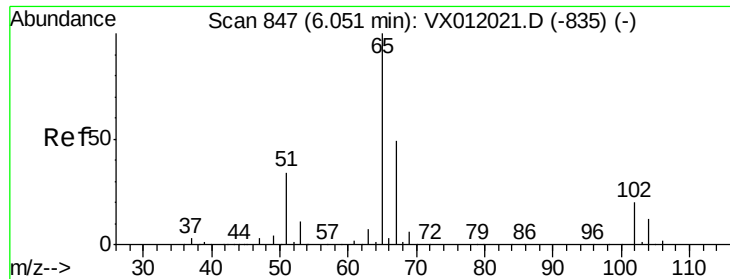
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	97	Resp:	47054
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	45.0	32.8	49.2





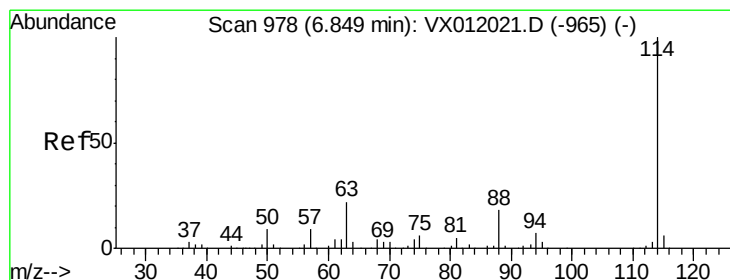
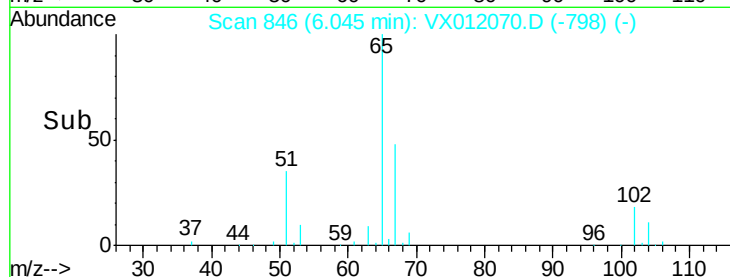
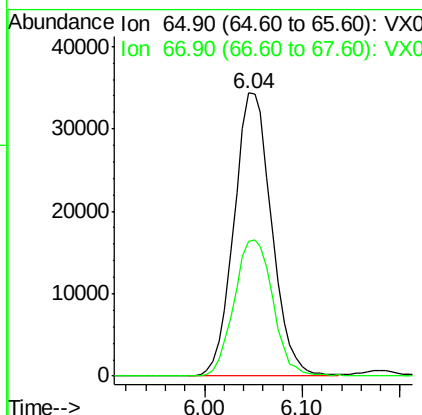
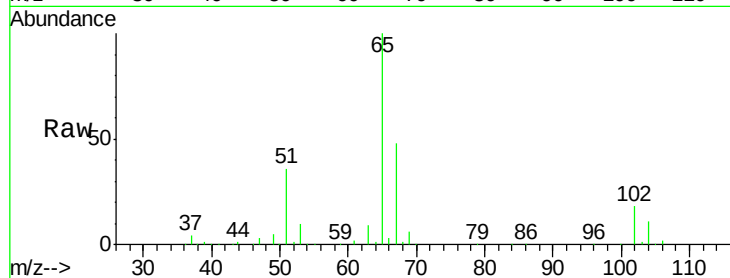
#33
 1,2-Dichloroethane-d4
 Concen: 56.842 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91830		
67	49.5	0.0	102.0	

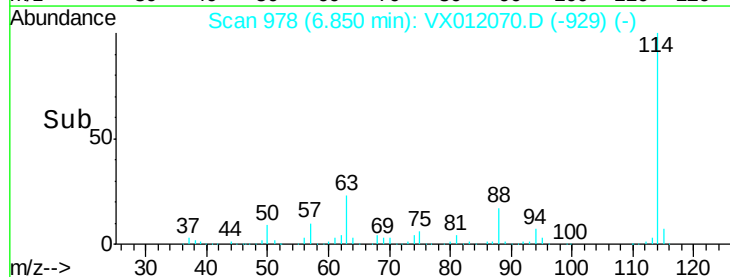
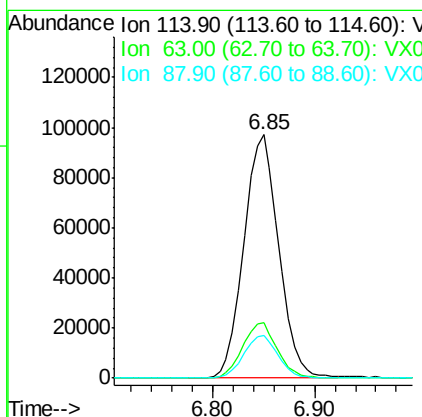
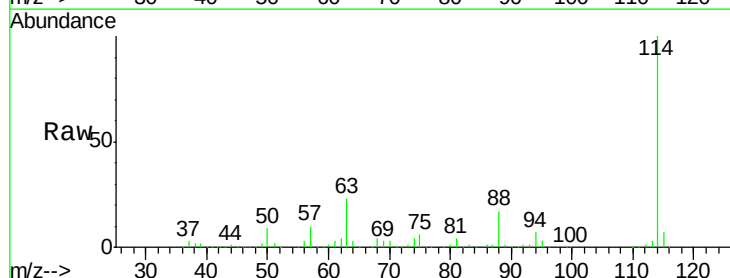
Manual Integrations
 APPROVED

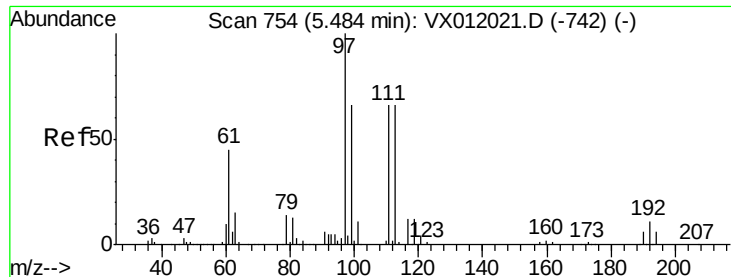
sam
 9/5/2019 2:56:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	230968		
63	22.8	0.0	37.4	
88	17.4	0.0	29.6	





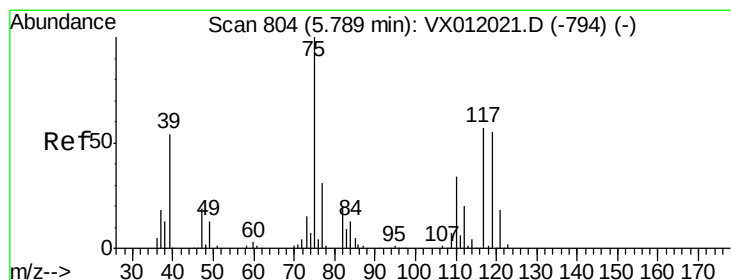
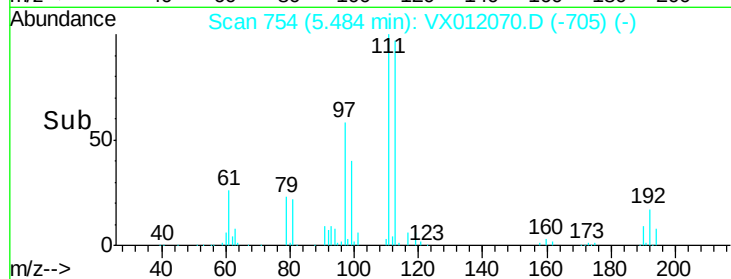
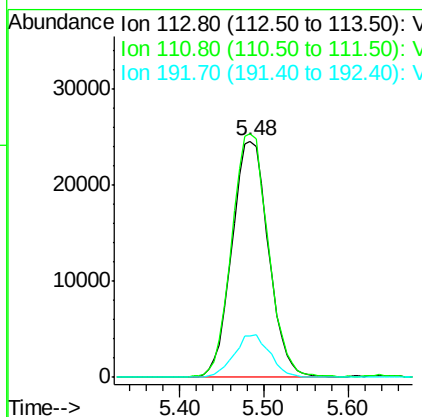
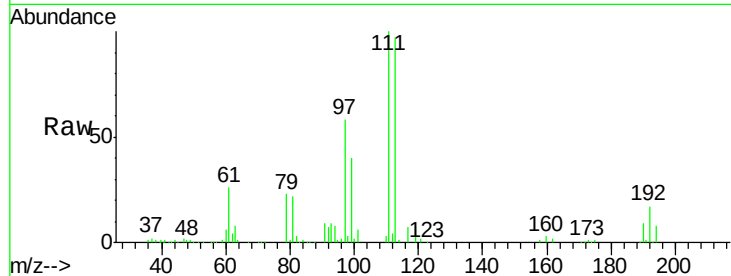
#35
Dibromofluoromethane
Concen: 50.780 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72127		
111	103.2	81.7	122.5	
192	17.4	22.5	33.7#	

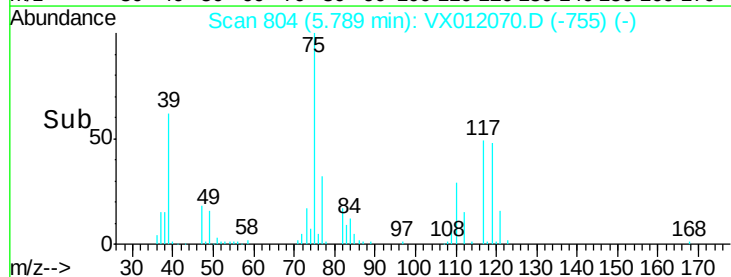
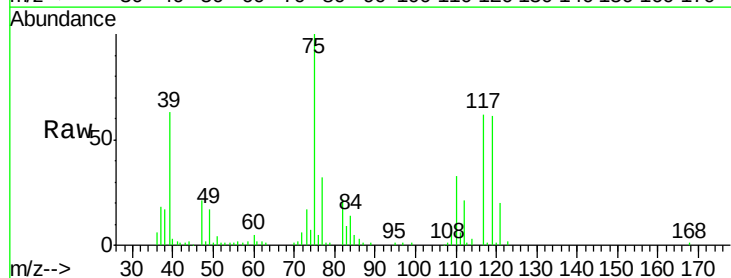
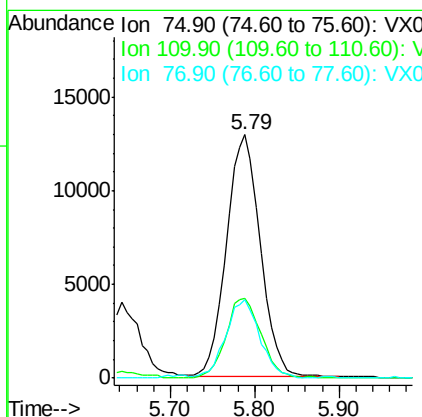
Manual Integrations
APPROVED

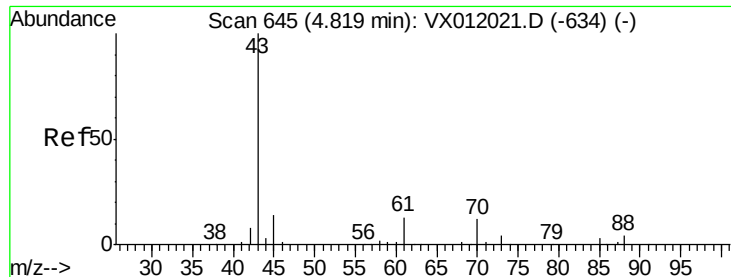
sam
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#36
1,1-Dichloropropene
Concen: 17.390 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35375		
110	33.9	19.5	58.5	
77	32.5	24.6	37.0	





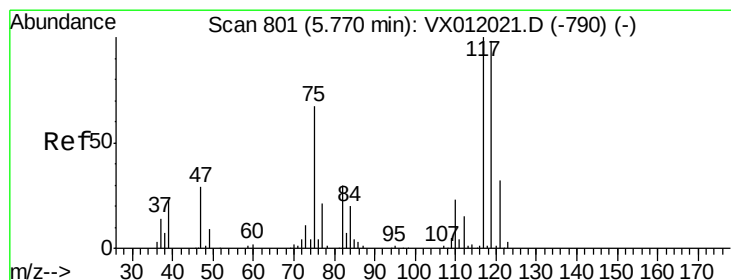
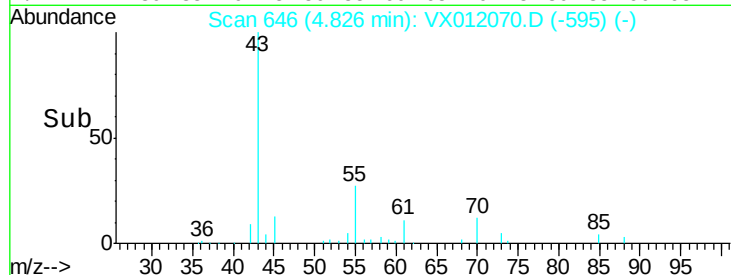
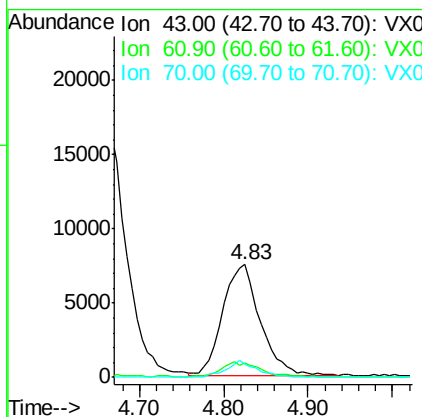
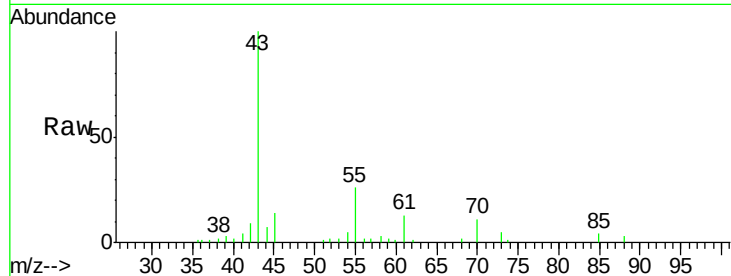
#37
Ethyl Acetate
Concen: 20.481 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion:	43	Resp:	22656
Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.9	16.3
70	12.3	9.4	14.0

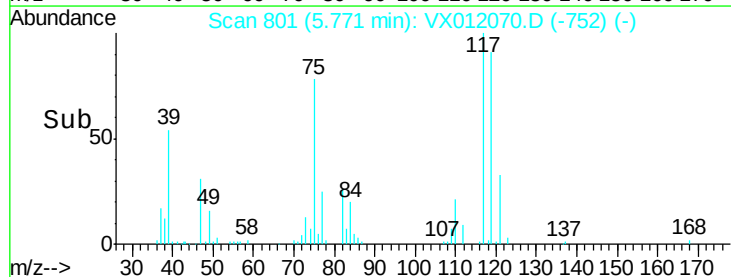
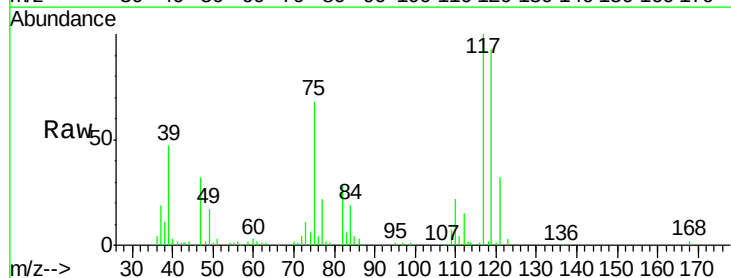
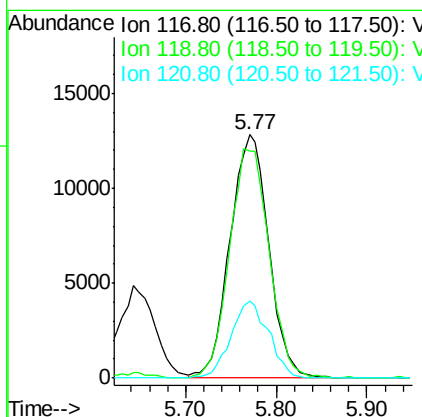
Manual Integrations
APPROVED

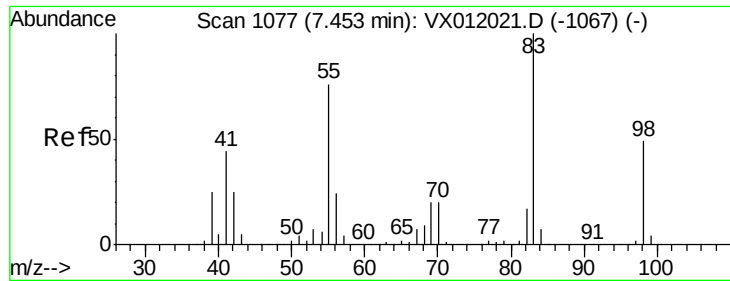
sam
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#38
Carbon Tetrachloride
Concen: 17.694 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion:	117	Resp:	37929
Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.3	117.5
121	31.9	24.2	36.2





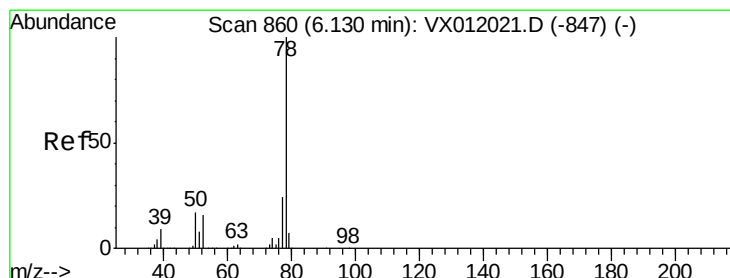
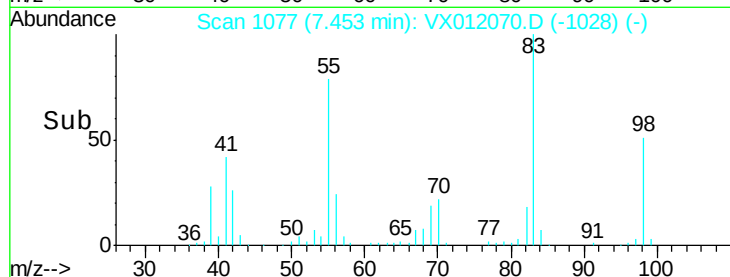
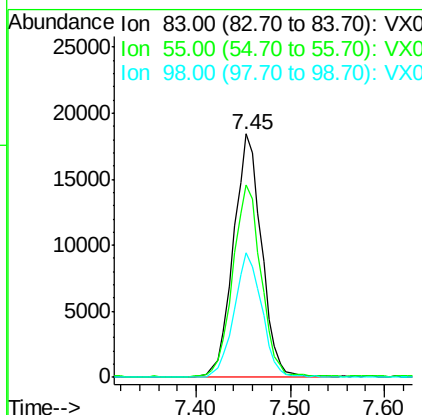
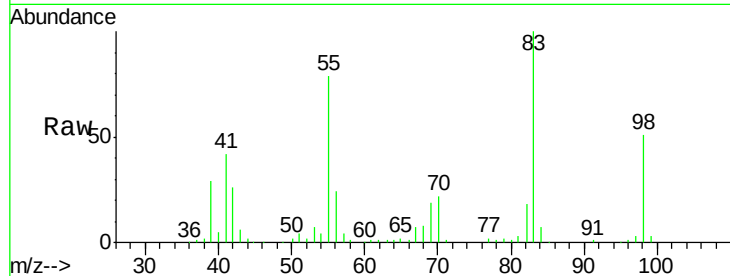
#39
Methylvlcyclohexane
Concen: 16.282 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion	83	Resp	38441
Ion Ratio	100	Lower	Upper
83	100		
55	78.9	59.6	89.4
98	51.1	41.4	62.0

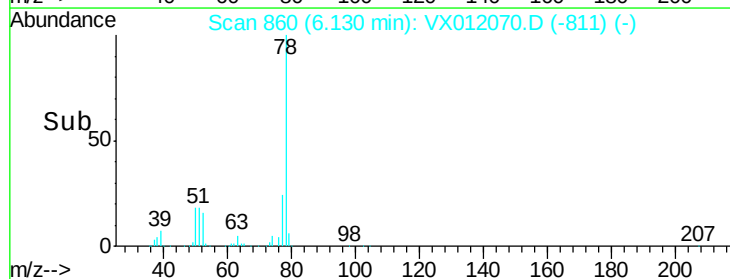
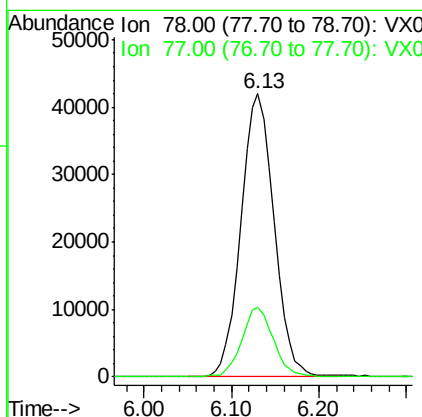
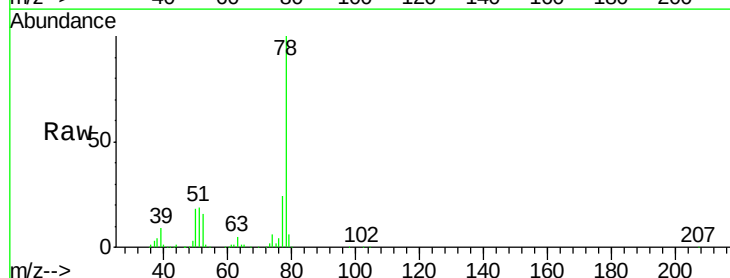
Manual Integrations
APPROVED

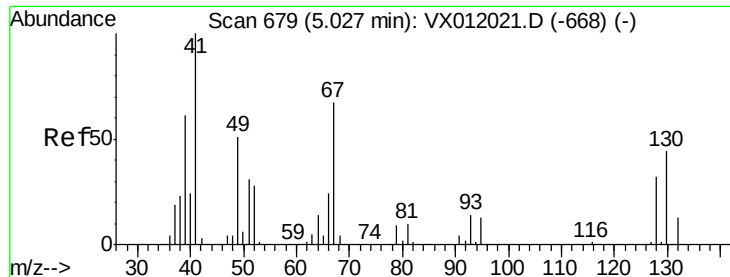
sam
9/5/2019 2:56:06 PM



#40
Benzene
Concen: 18.951 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	78	Resp	110675
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	19.3	28.9





#41

Methacrylonitrile

Concen: 20.649 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion: 41 Resp: 13622

Ion Ratio Lower Upper

41 100

39 54.2 46.7 70.1

67 75.4 57.0 85.6

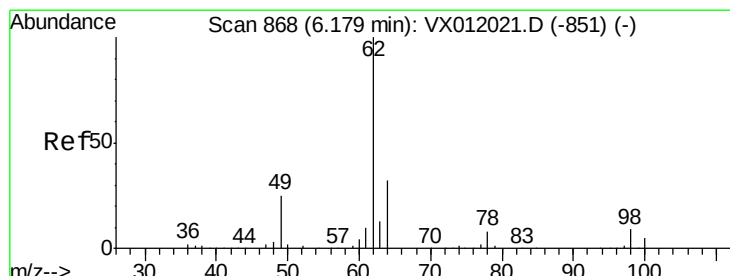
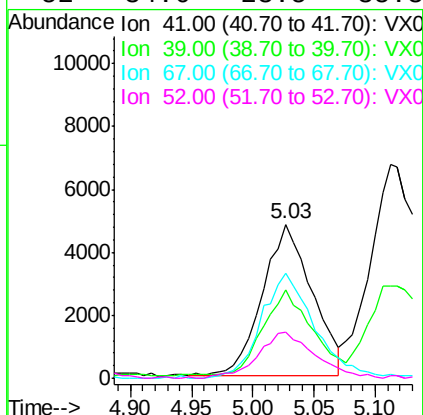
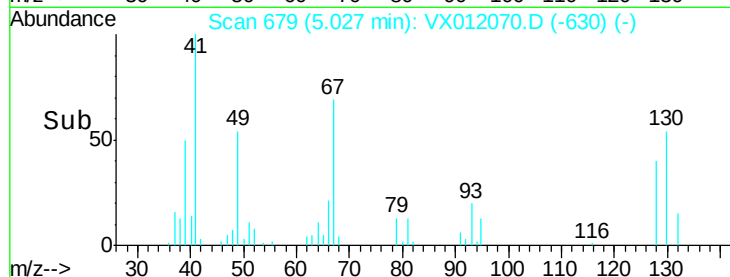
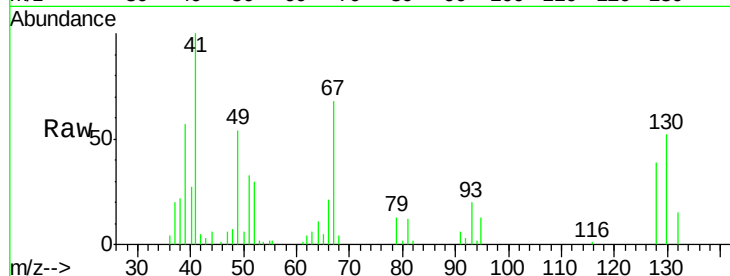
52 34.6 23.5 35.3

Manual Integrations

APPROVED

sam

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#42

1,2-Dichloroethane

Concen: 21.243 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012070.D

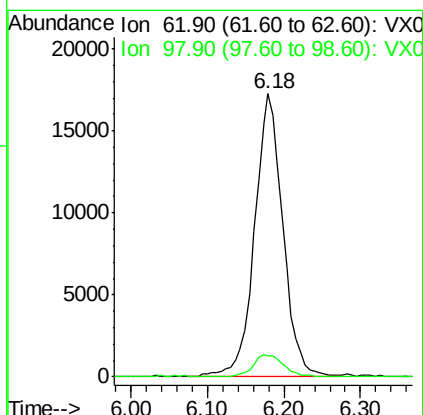
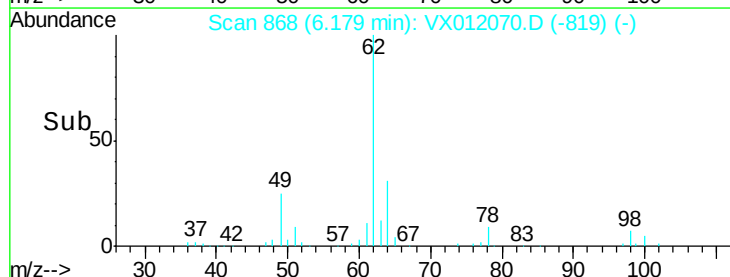
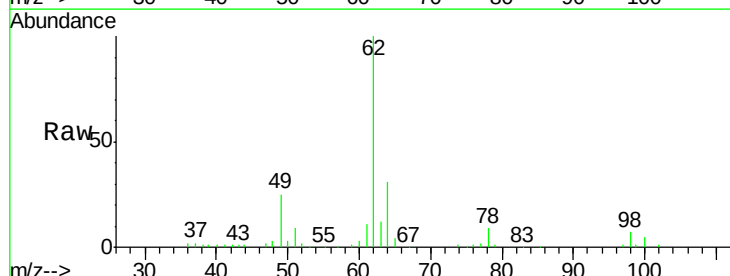
Acq: 05 Sep 2019 00:33

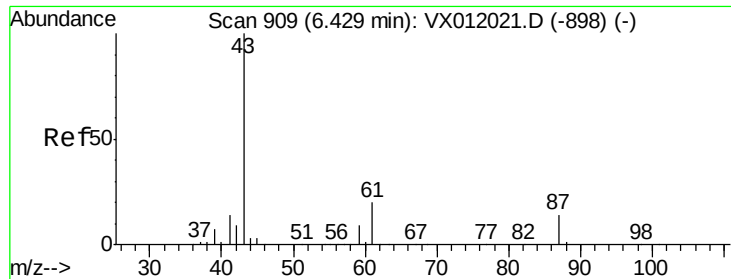
Tgt Ion: 62 Resp: 44643

Ion Ratio Lower Upper

62 100

98 8.5 0.0 19.2





#43

Isopropyl Acetate

Concen: 20.720 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

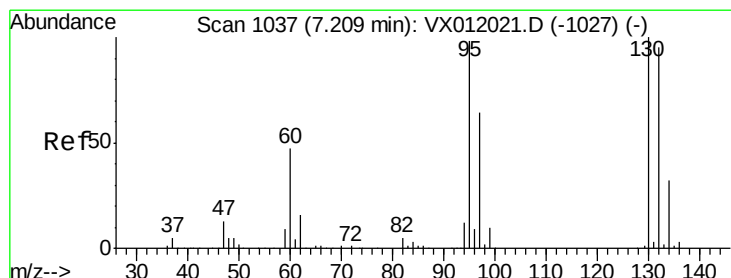
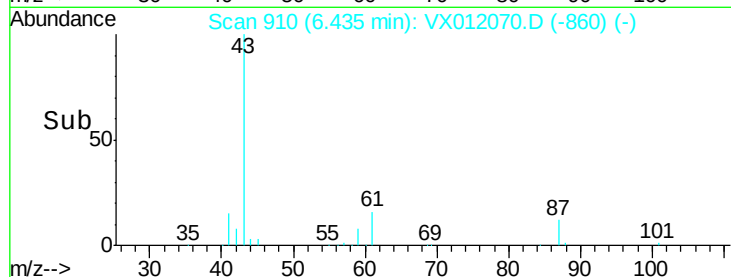
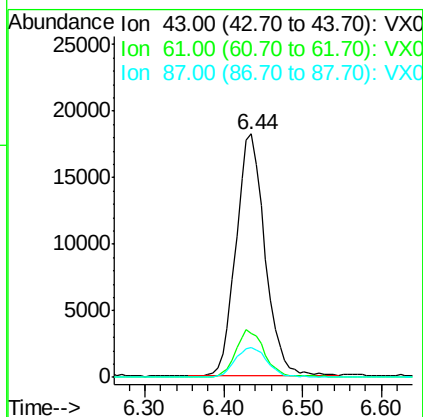
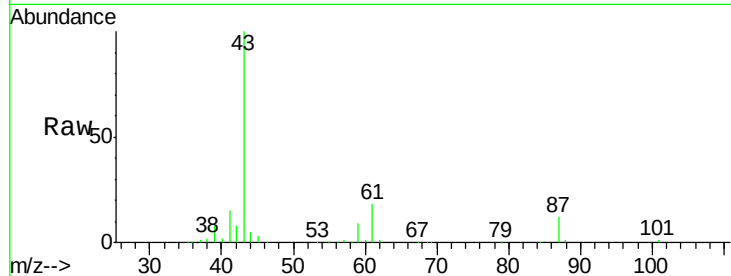
ClientSampleId :

VX0904SBSD02

Tot Ion:	43	Resp:	46606
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	13.6	11.3	16.9

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#44

Trichloroethene

Concen: 18.678 ug/l

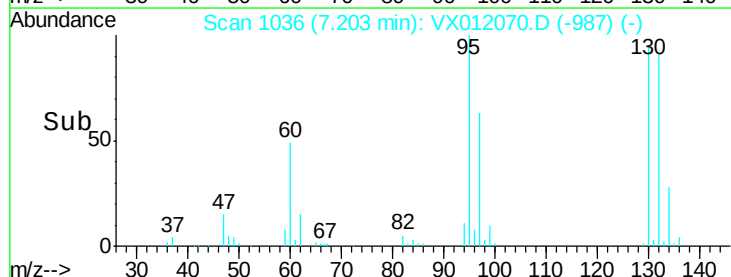
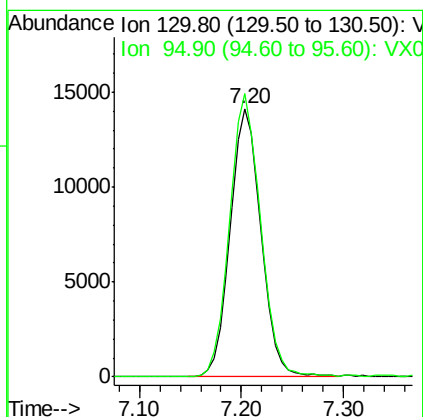
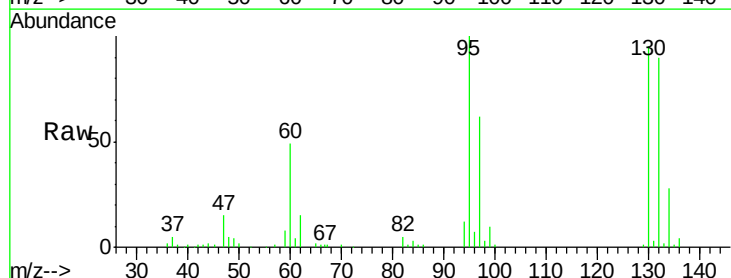
RT: 7.20 min Scan# 1036

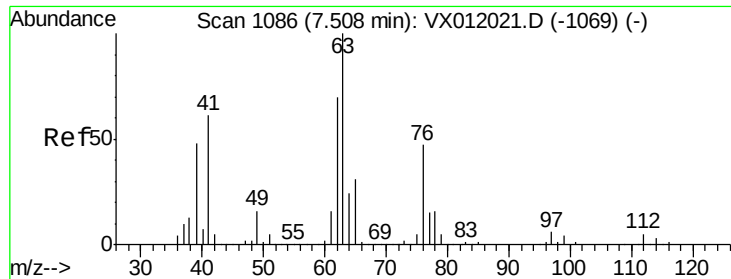
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	130	Resp:	29420
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	176.4





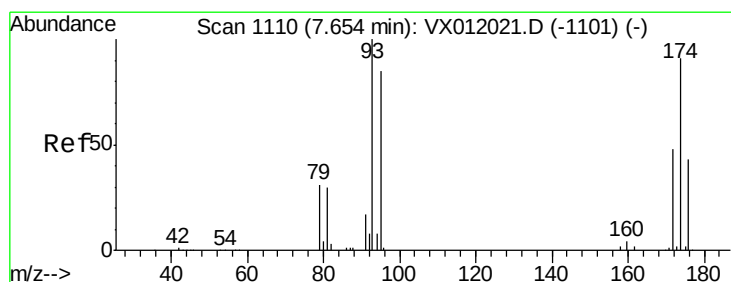
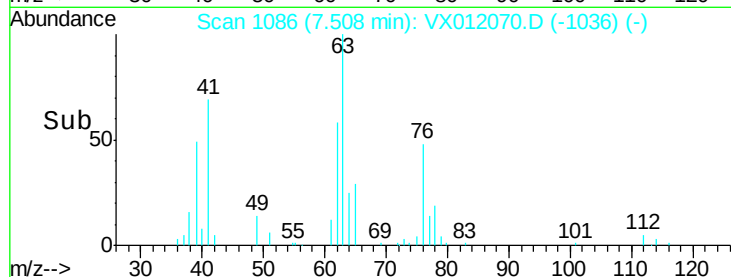
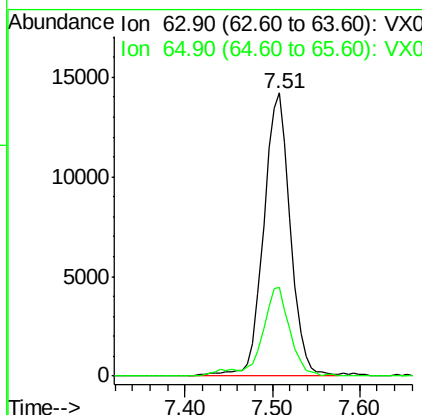
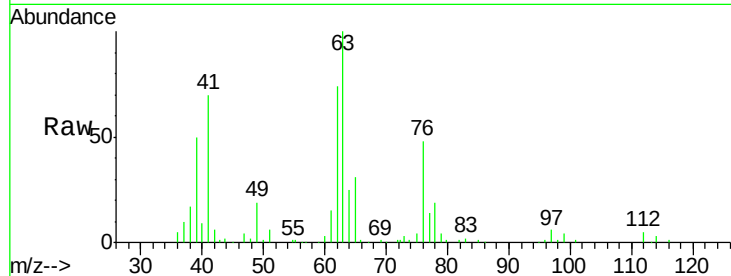
#45
 1,2-Dichloropropane
 Concen: 20.153 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion: 63 Resp: 30407
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

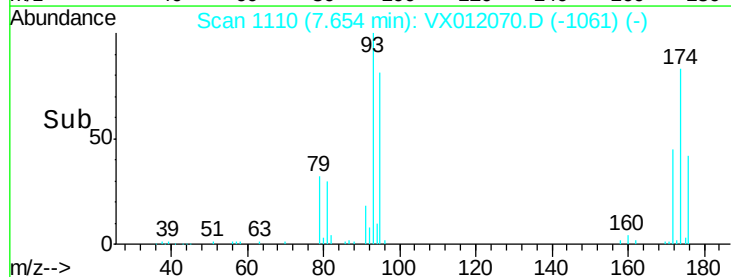
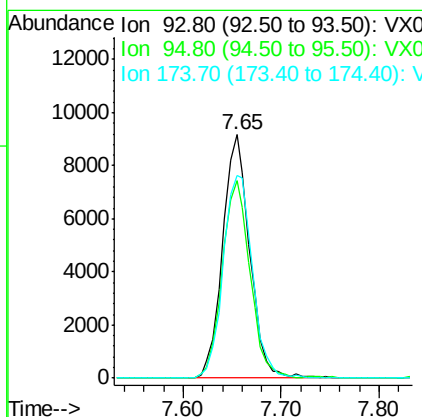
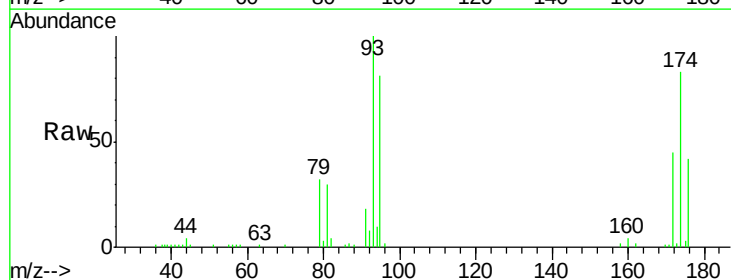
Manual Integrations
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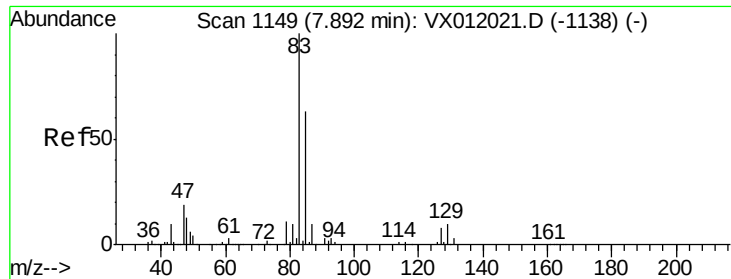
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#46
 Dibromomethane
 Concen: 19.965 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion: 93 Resp: 17585
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.2
 174 89.6 110.2 165.4#





#47

Bromodichloromethane

Concen: 19.970 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

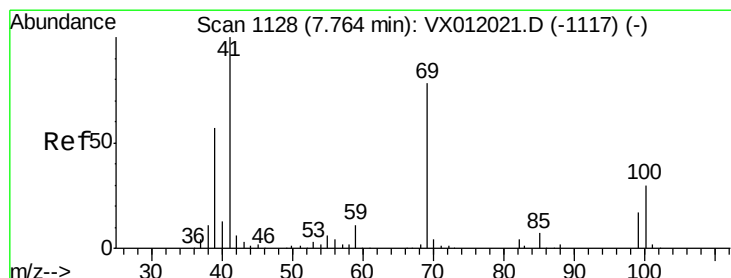
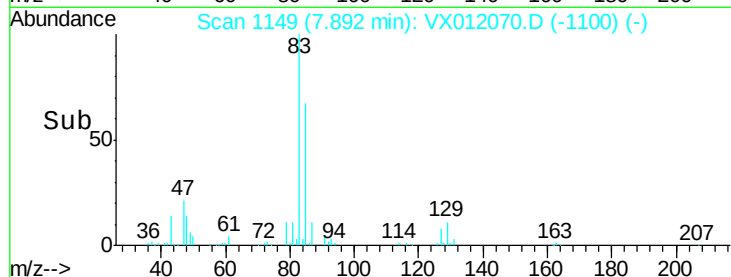
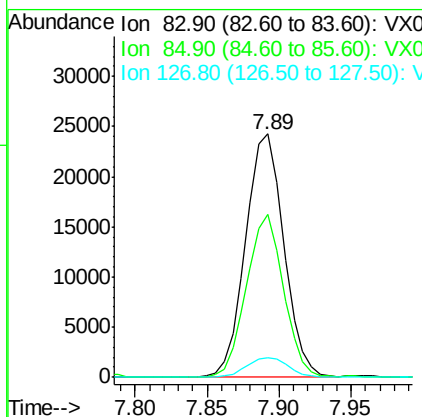
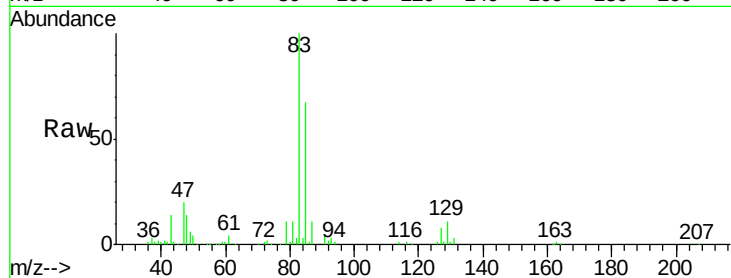
ClientSampleId :

VX0904SBSD02

Tot Ion:	83	Resp:	44711
Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.3	75.5
127	8.2	8.1	12.1

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#48

Methyl methacrylate

Concen: 20.767 ug/l

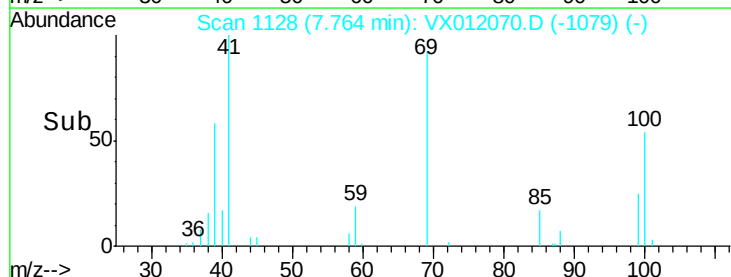
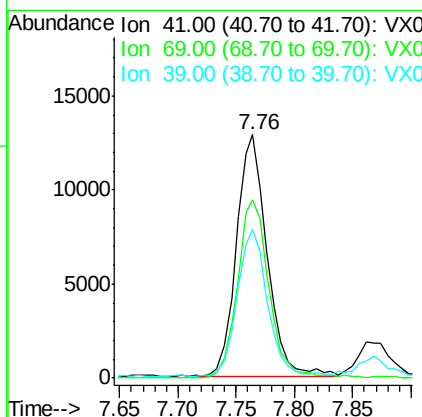
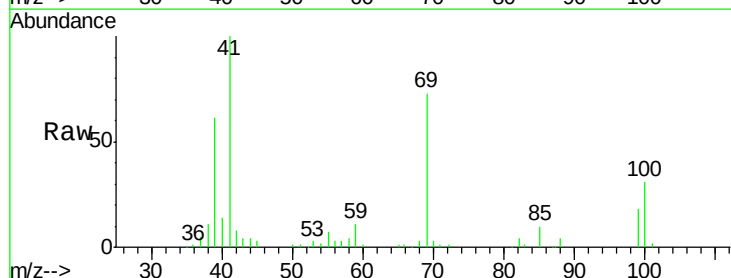
RT: 7.76 min Scan# 1128

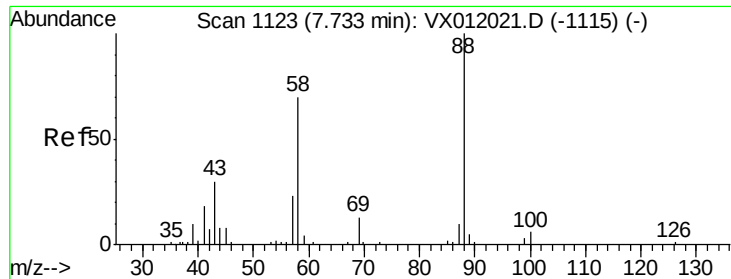
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	41	Resp:	23487
Ion	Ratio	Lower	Upper
41	100		
69	75.9	66.3	99.5
39	61.6	48.1	72.1





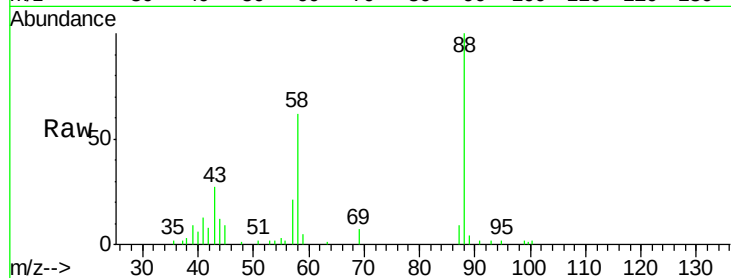
#49
1,4-Dioxane
Concen: 427.699 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	29.8	44.6
58	75.3	55.4	83.2

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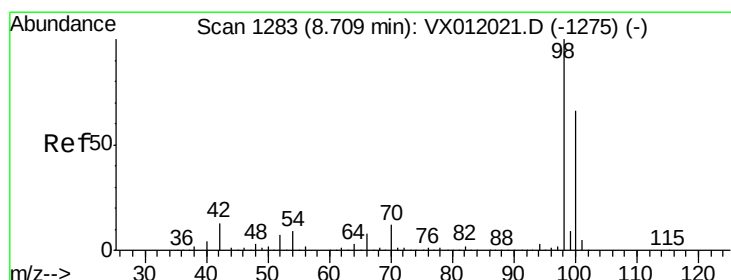
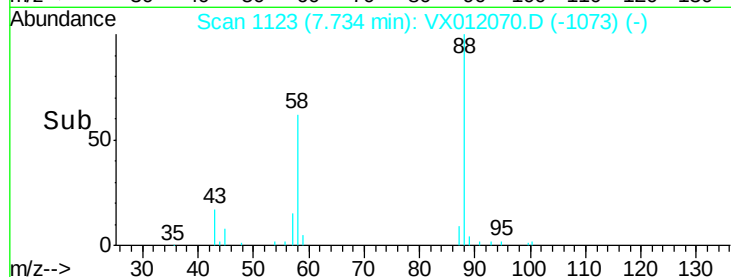
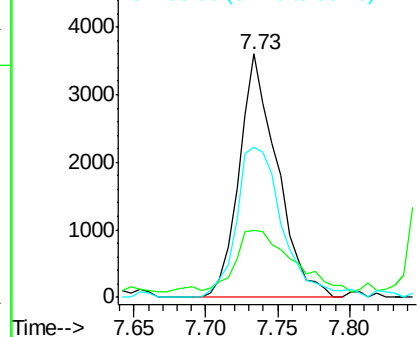


Abundance

Ion 88.00 (87.70 to 88.70): VX0

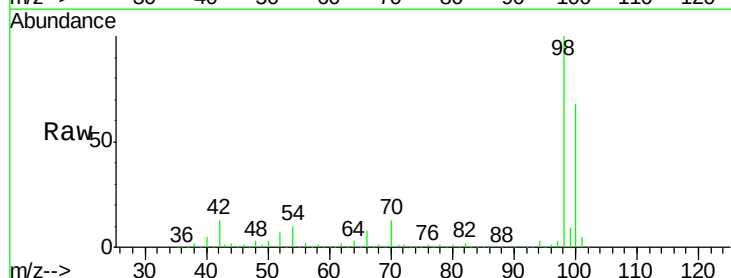
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.109 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

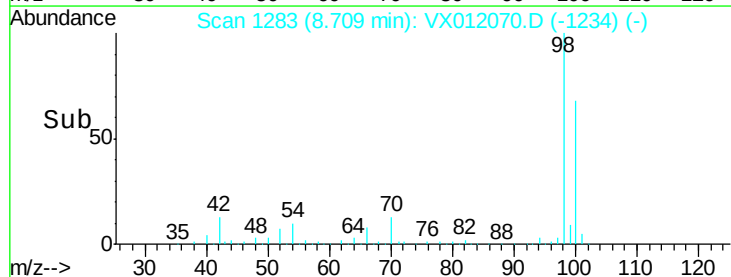
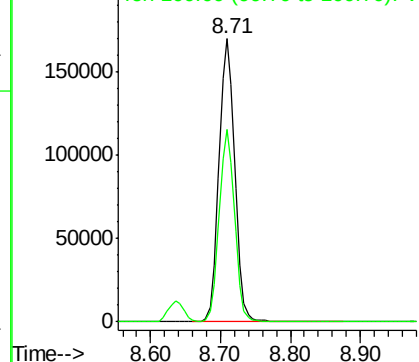
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

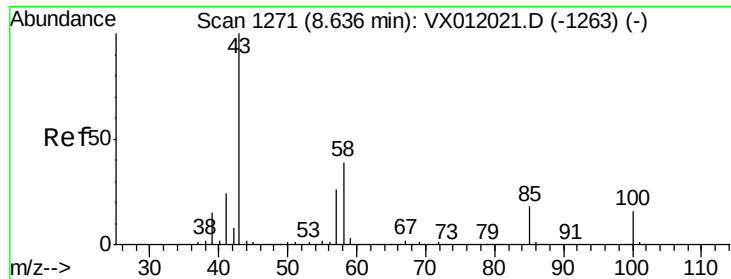


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.423 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion: 43 Resp: 120611

Ion Ratio Lower Upper

43 100

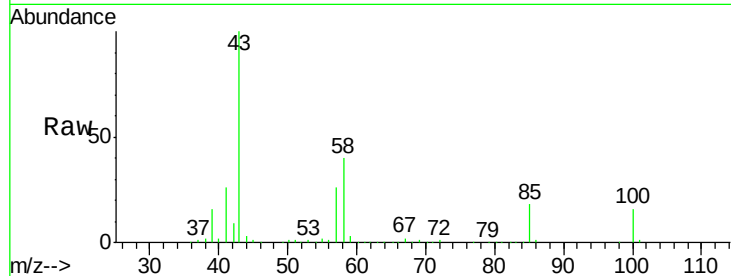
58 38.9 31.5 47.3

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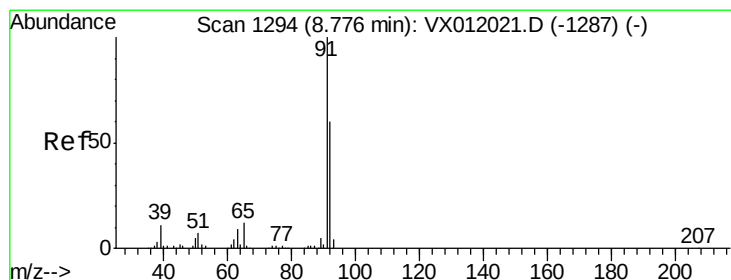
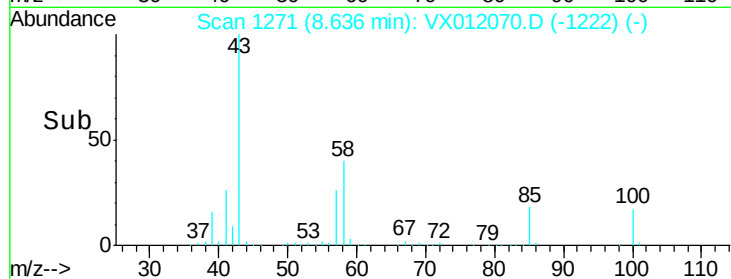
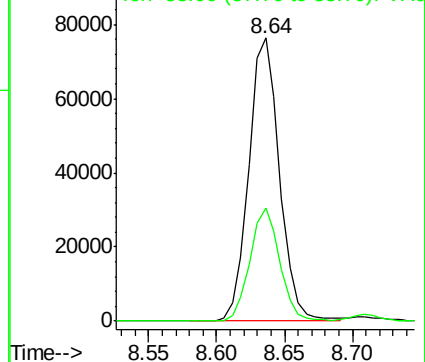
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.852 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012070.D

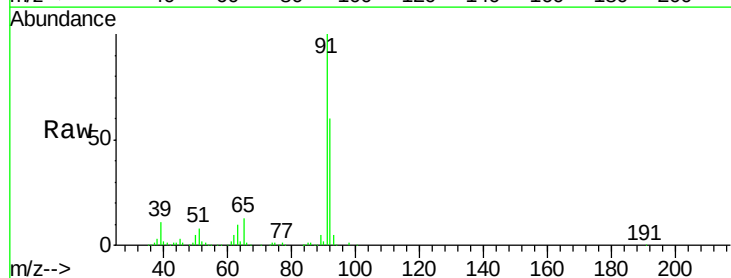
Acq: 05 Sep 2019 00:33

Tgt Ion: 92 Resp: 71631

Ion Ratio Lower Upper

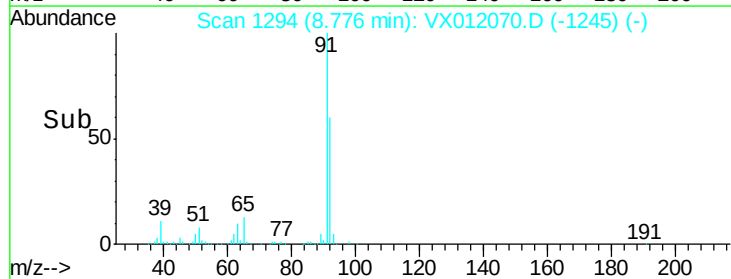
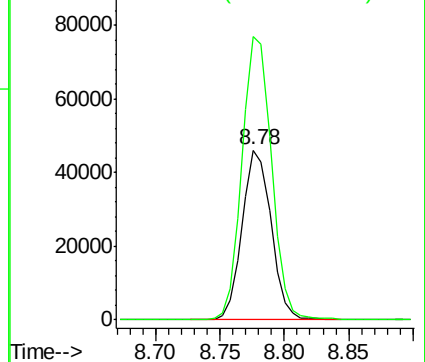
92 100

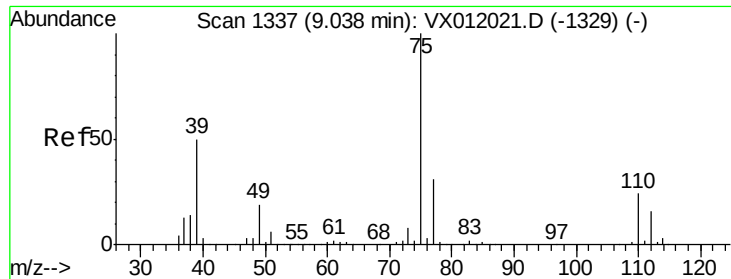
91 171.2 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





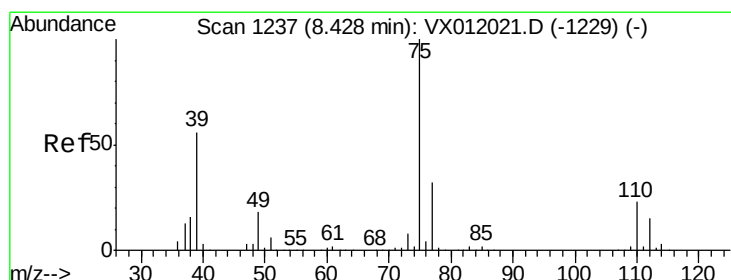
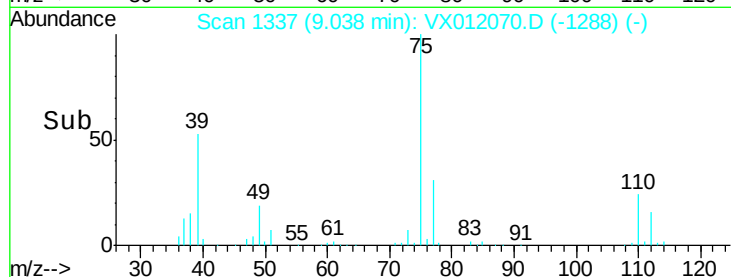
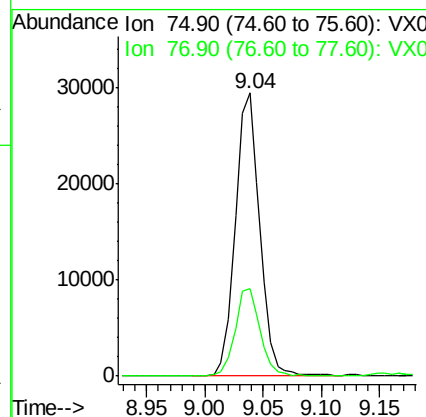
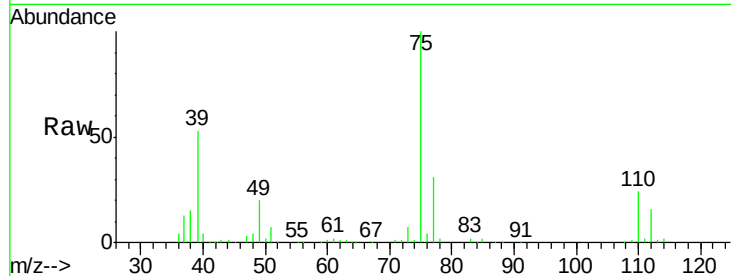
#53
 t-1,3-Dichloropropene
 Concen: 18.487 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS02

Tot Ion: 75 Resp: 42850
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

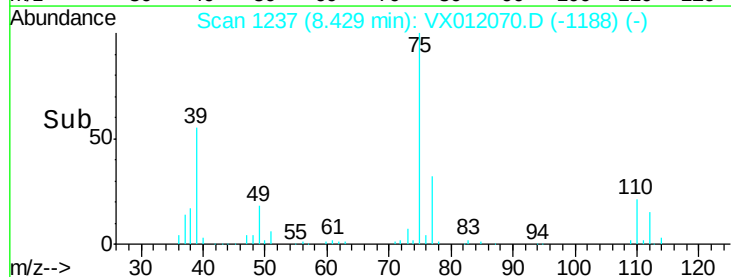
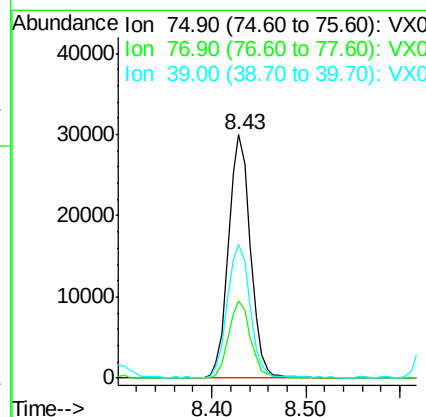
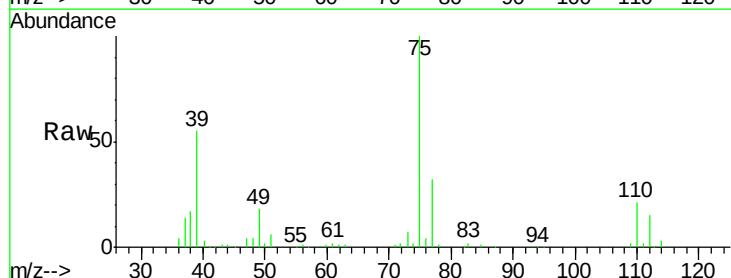
Manual Integrations
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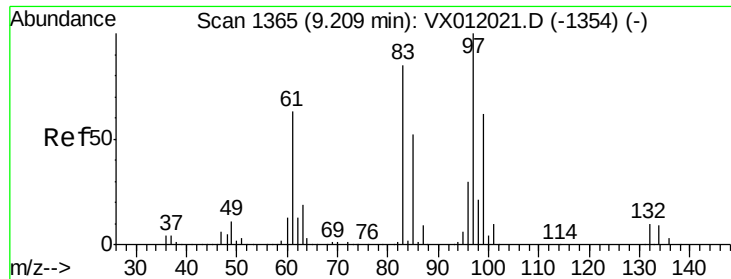
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 18.884 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion: 75 Resp: 48675
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3
 39 54.6 43.0 64.4





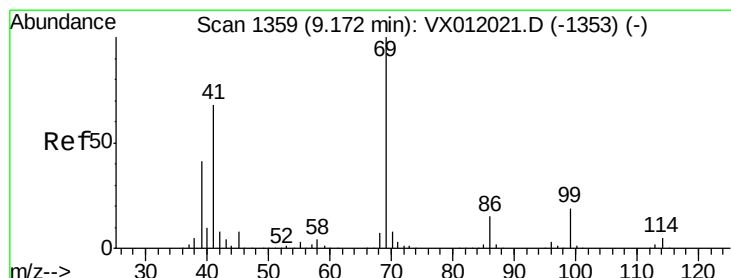
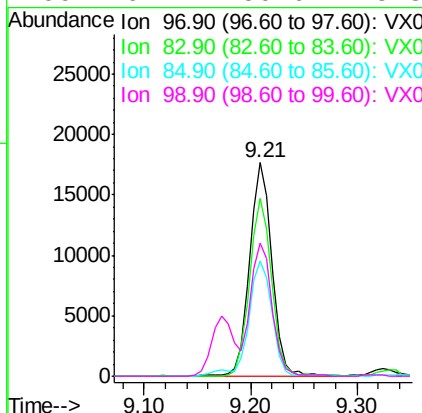
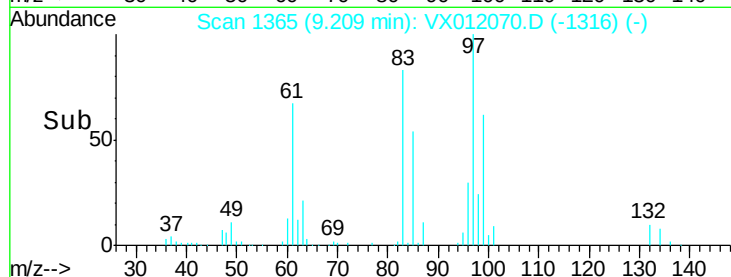
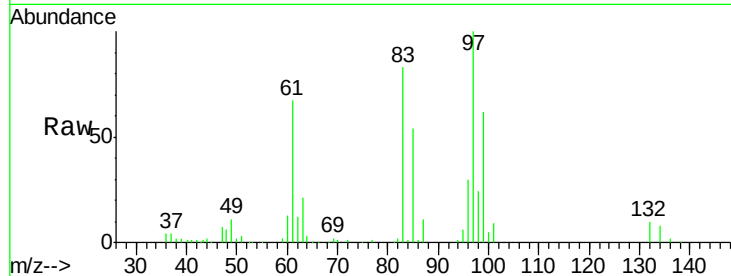
#55
 1,1,2-Trichloroethane
 Concen: 20.696 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion:	97	Resp:	26062
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.0	99.0
85	54.1	41.0	61.6
99	62.4	50.6	75.8

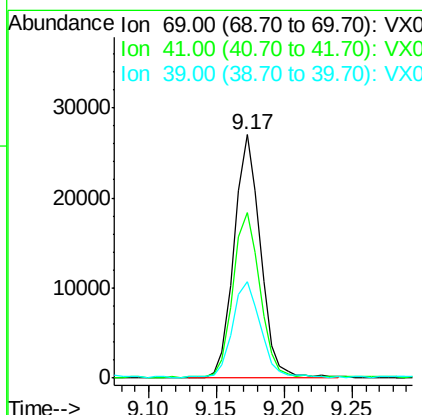
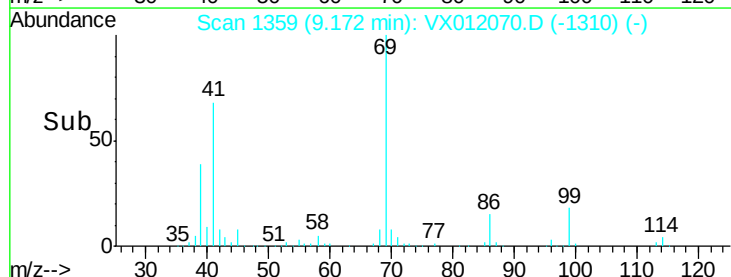
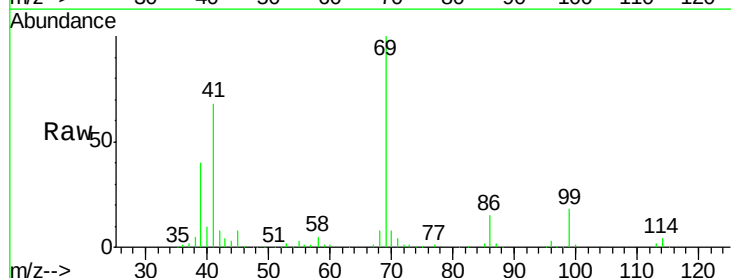
Manual Integrations
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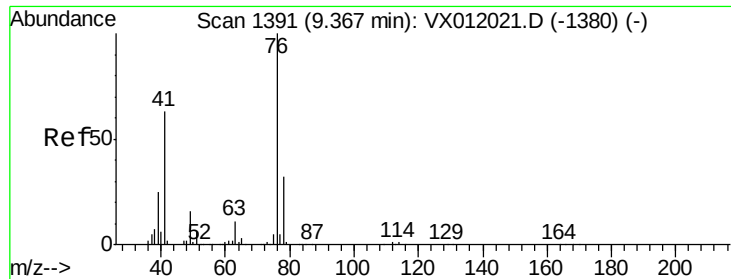
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#56
 Ethyl methacrylate
 Concen: 20.291 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion:	69	Resp:	36600
Ion	Ratio	Lower	Upper
69	100		
41	69.3	53.9	80.9
39	41.5	31.1	46.7





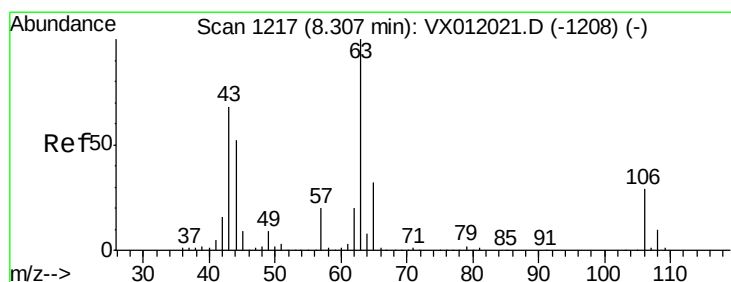
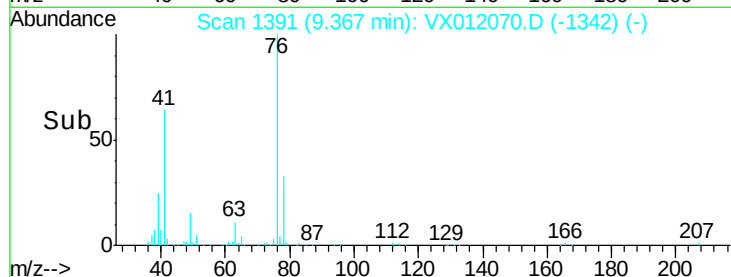
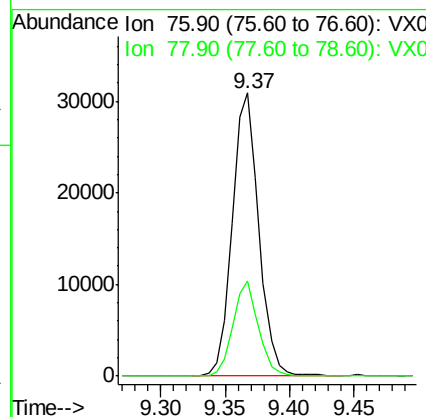
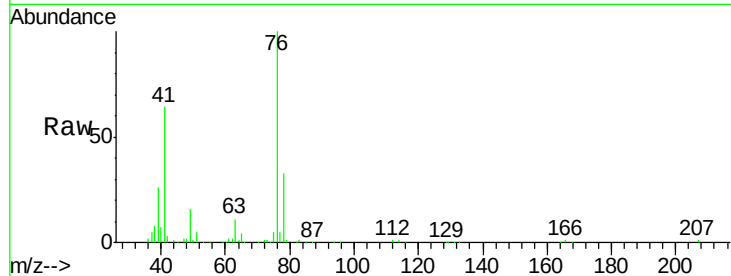
#57
 1,3-Dichloropropane
 Concen: 20.516 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion: 76 Resp: 44580
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

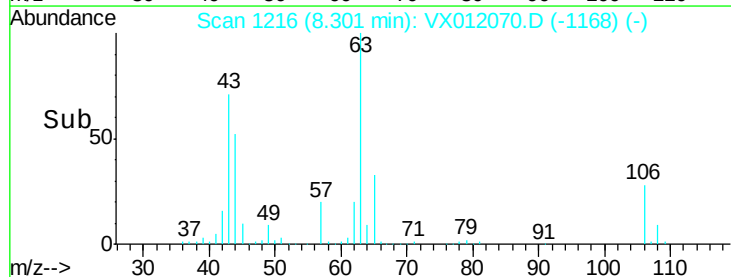
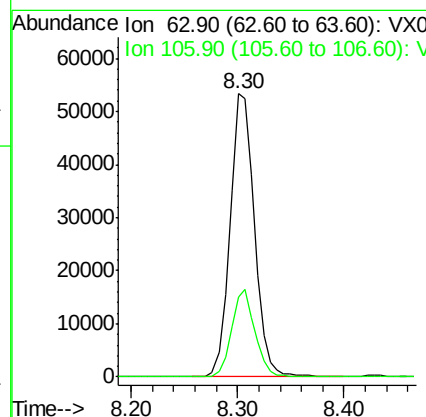
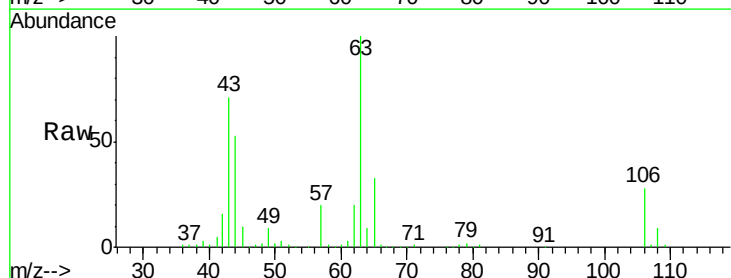
Manual Integrations
 APPROVED

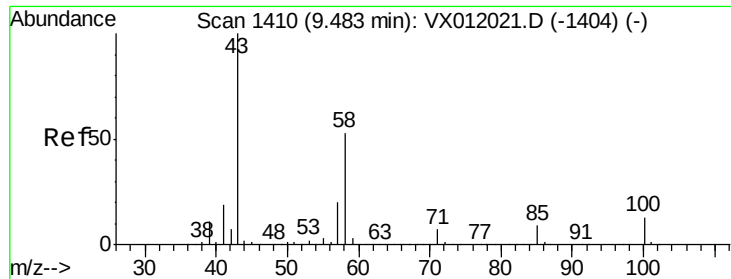
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.566 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion: 63 Resp: 85031
 Ion Ratio Lower Upper
 63 100
 106 29.7 26.5 39.7





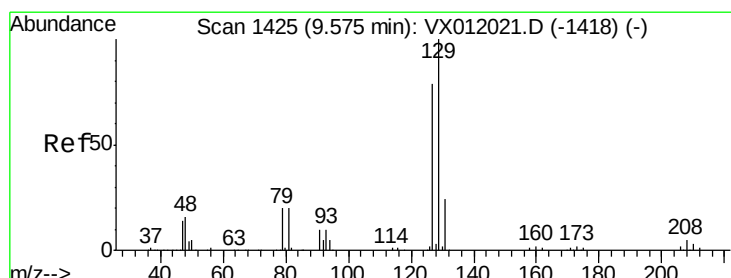
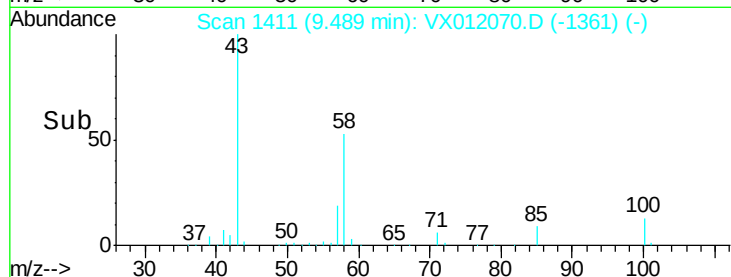
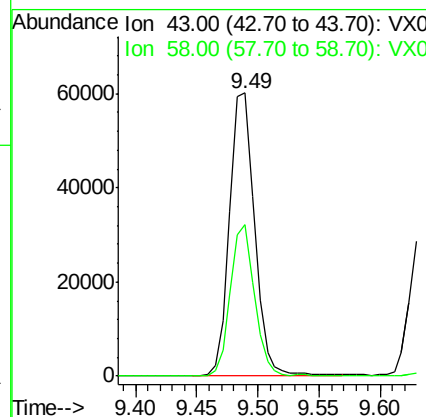
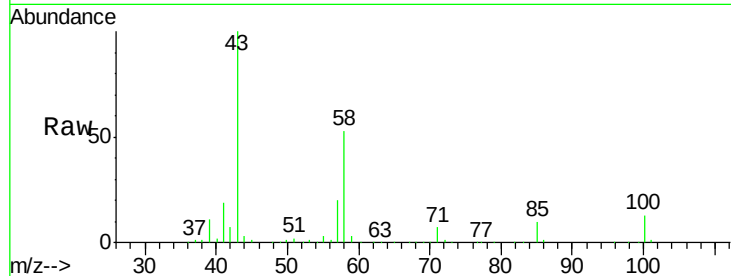
#59
2-Hexanone
Concen: 102.240 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion: 43 Resp: 85350
Ion Ratio Lower Upper
43 100
58 52.1 27.2 81.6

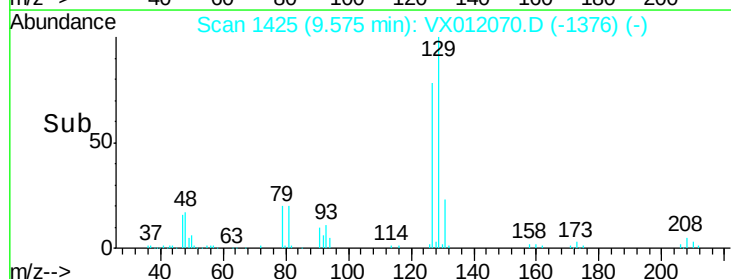
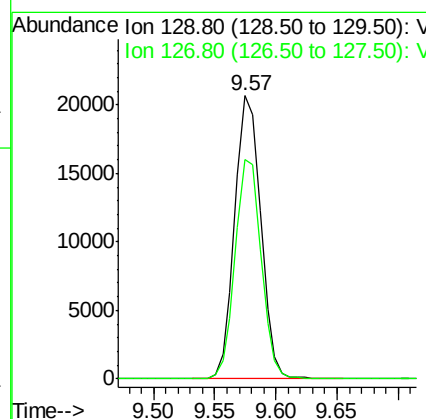
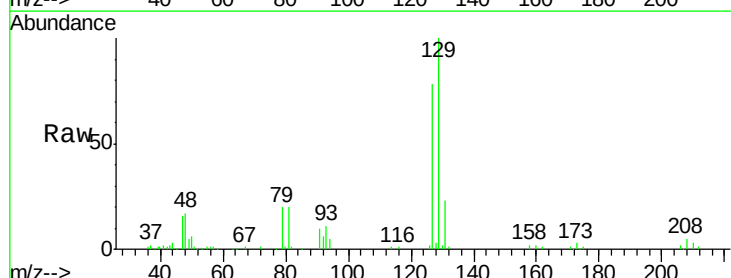
Manual Integrations
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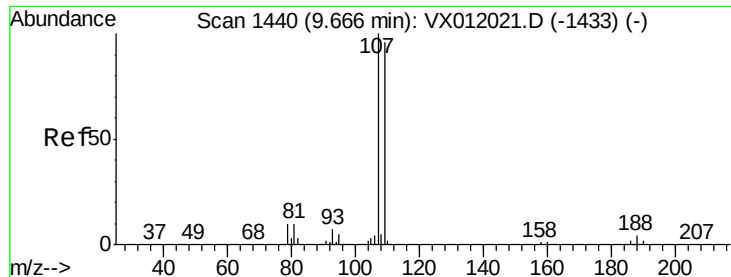
sam
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#60
Dibromochloromethane
Concen: 20.256 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion: 129 Resp: 30400
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.109 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion:107 Resp: 24468

Ion Ratio Lower Upper

107 100

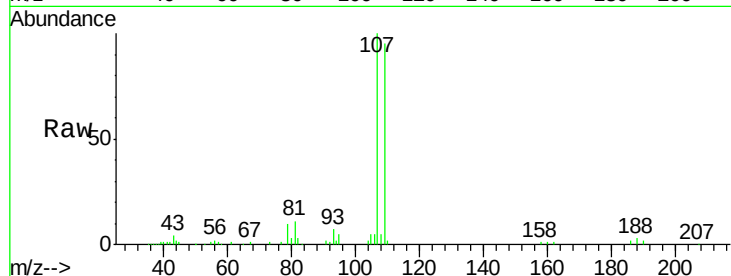
109 94.1 76.9 115.3

Manual Integrations

APPROVED

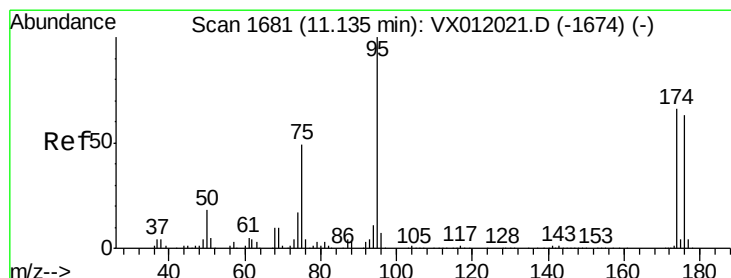
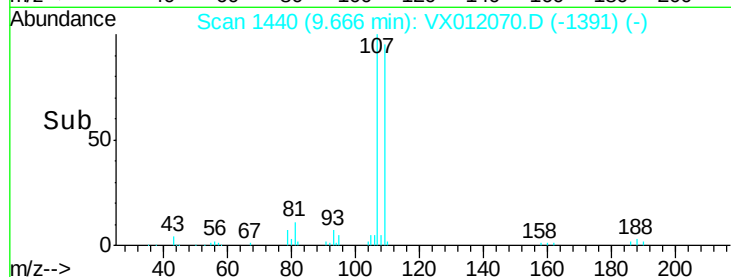
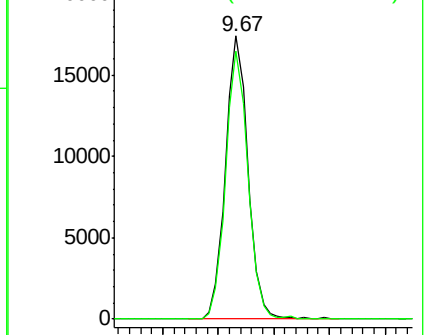
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

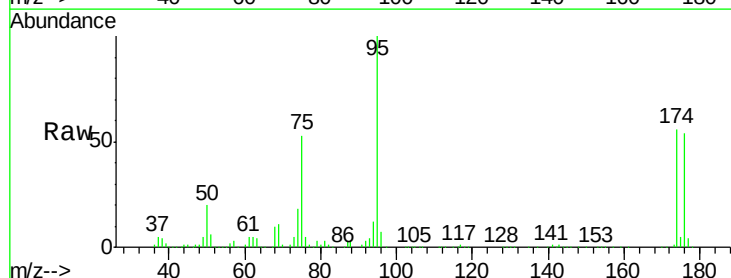
Tgt Ion: 95 Resp: 117876

Ion Ratio Lower Upper

95 100

174 62.0 0.0 205.4

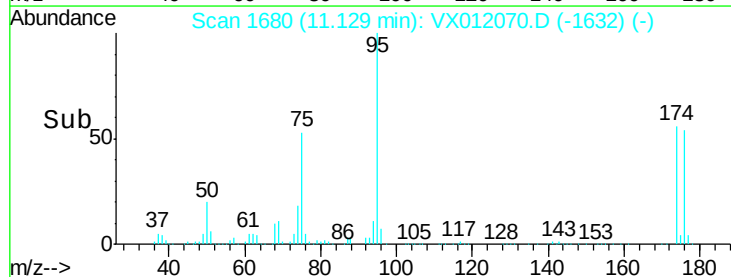
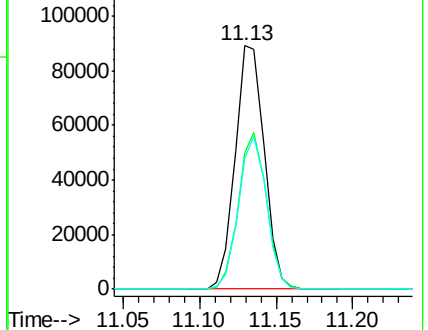
176 60.5 0.0 201.8

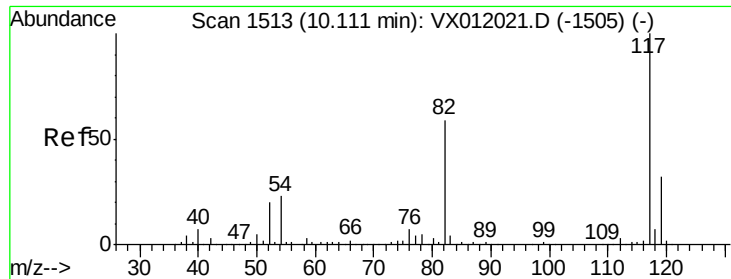


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

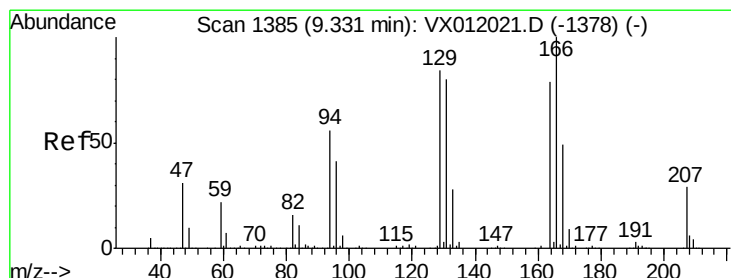
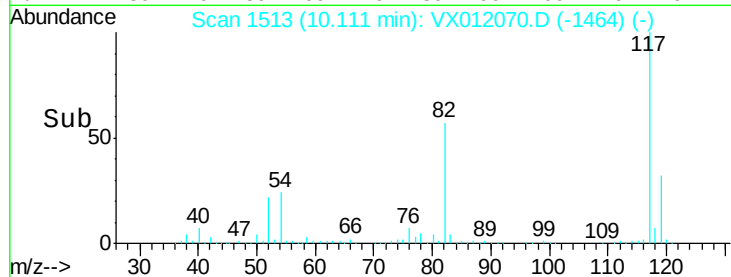
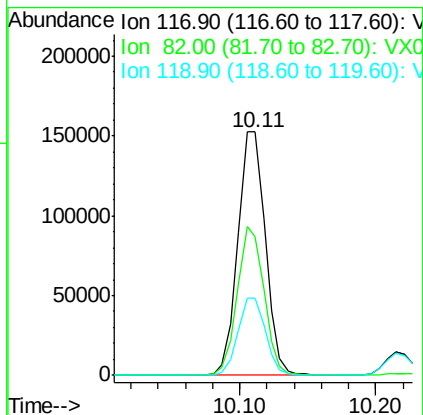
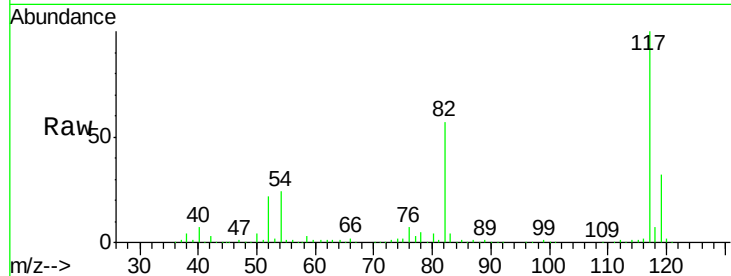
ClientSampleId :

VX0904SBS02

Tot Ion:	117	Resp:	215455
Ion Ratio	Lower	Upper	
117	100		
82	57.0	39.4	59.0
119	31.9	26.1	39.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.726 ug/l

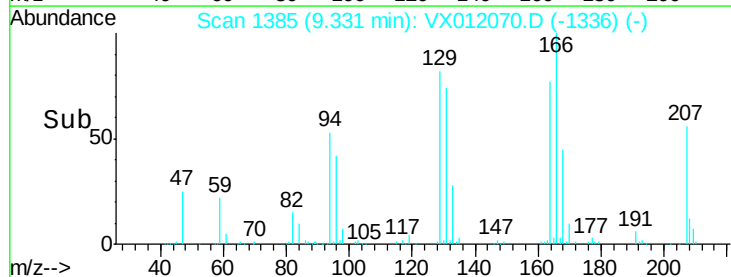
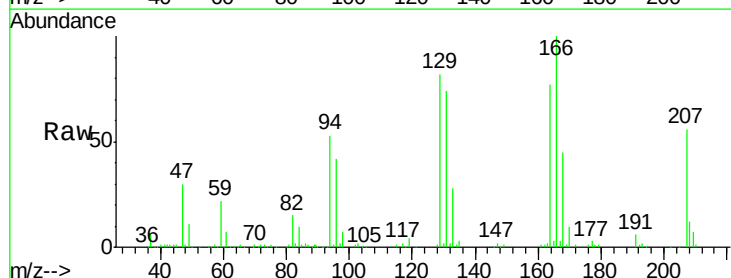
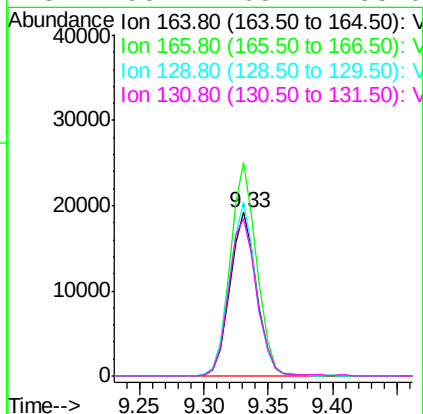
RT: 9.33 min Scan# 1385

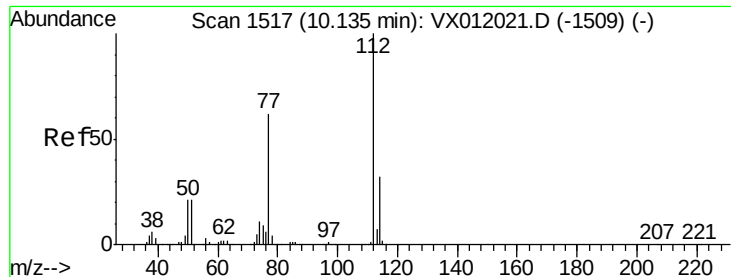
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	164	Resp:	27840
Ion Ratio	Lower	Upper	
164	100		
166	130.5	104.3	156.5
129	106.5	68.3	102.5
131	96.1	65.4	98.0





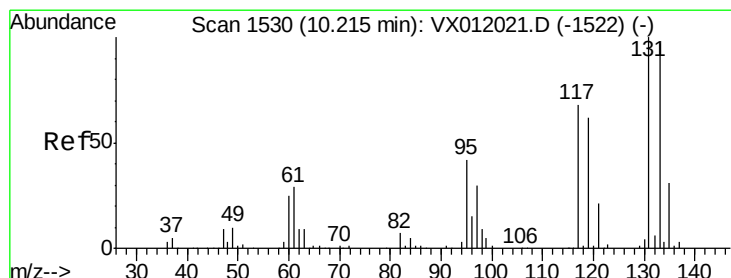
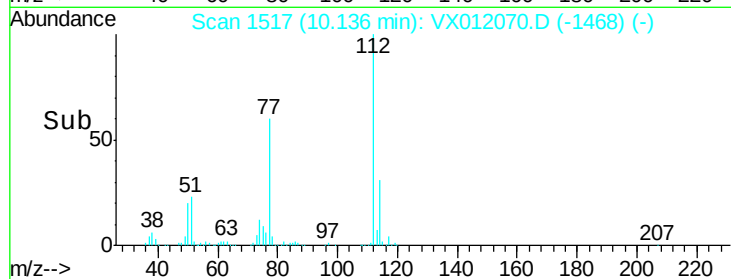
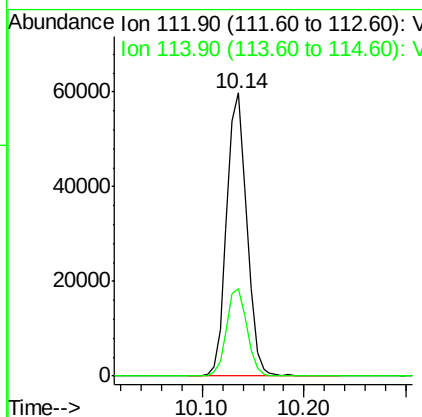
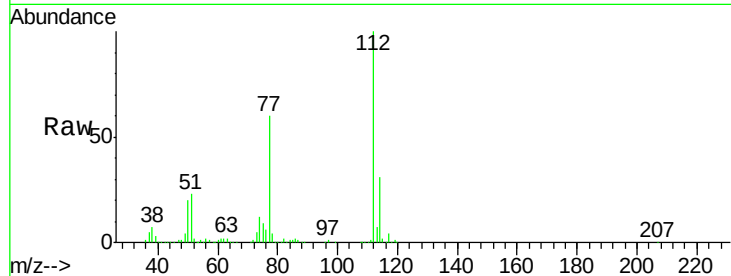
#65
Chlorobenzene
Concen: 19.232 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion:112 Resp: 81756
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.2

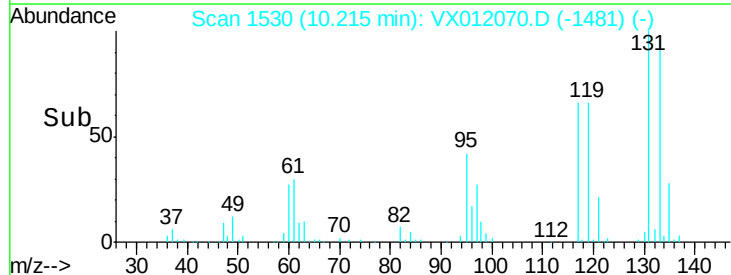
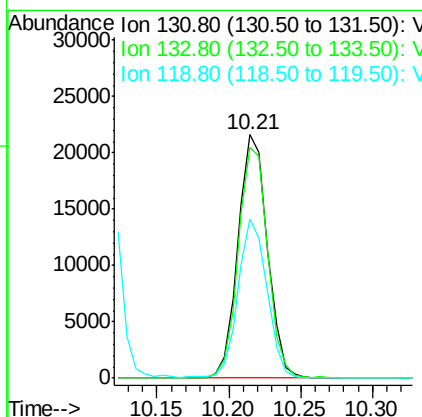
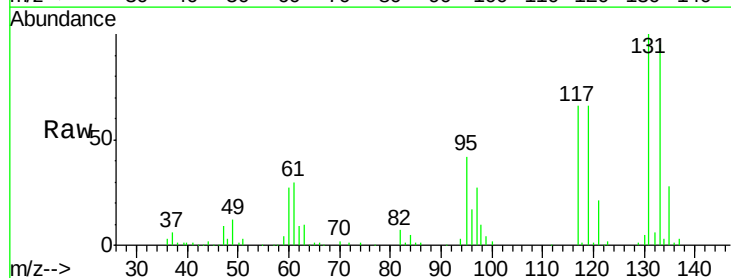
Manual Integrations
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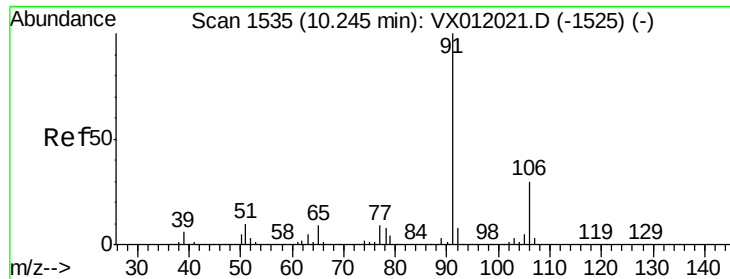
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.662 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion:131 Resp: 30563
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.0
119 64.6 30.5 91.5





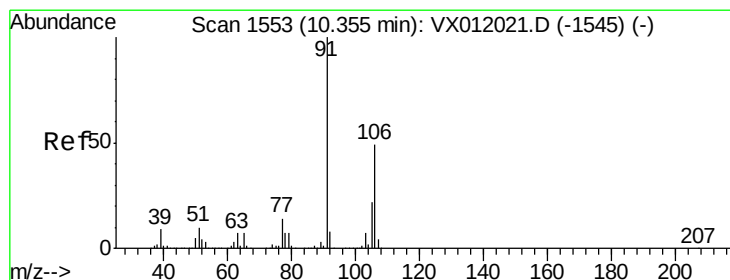
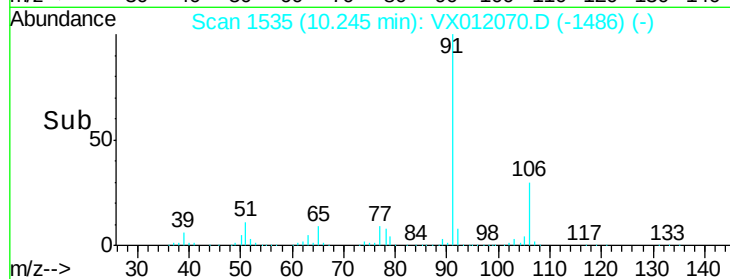
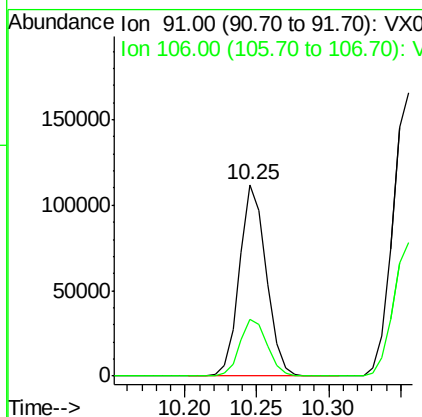
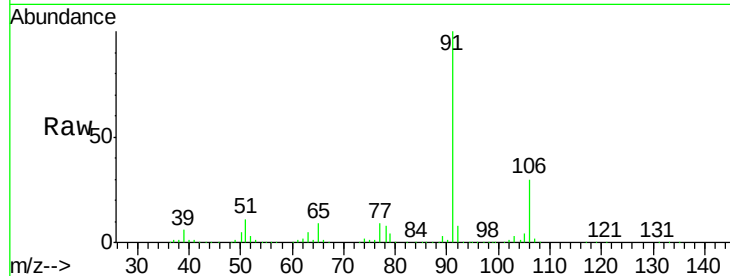
#67
Ethyl Benzene
Concen: 18.655 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion: 91 Resp: 144553
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8

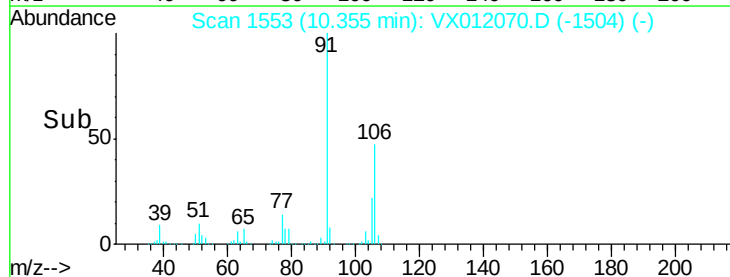
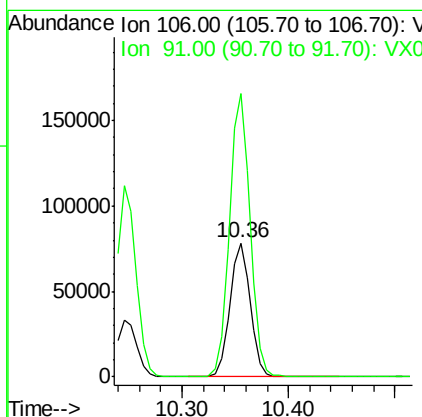
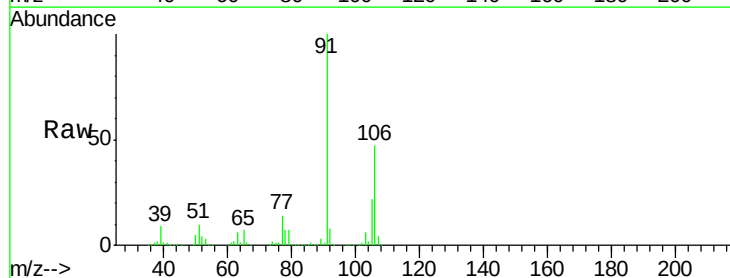
Manual Integrations
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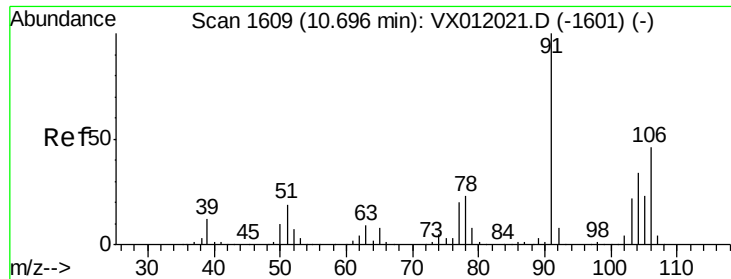
sam
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#68
m/p-Xylenes
Concen: 36.880 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion: 106 Resp: 105293
Ion Ratio Lower Upper
106 100
91 213.0 157.5 236.3





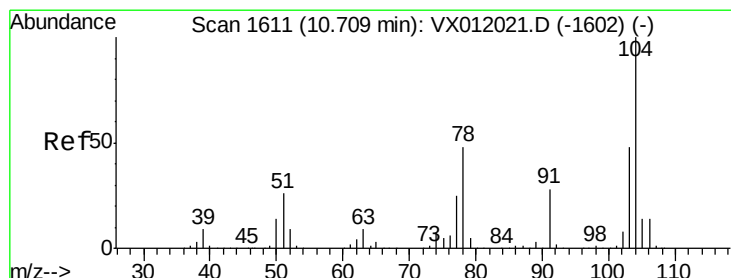
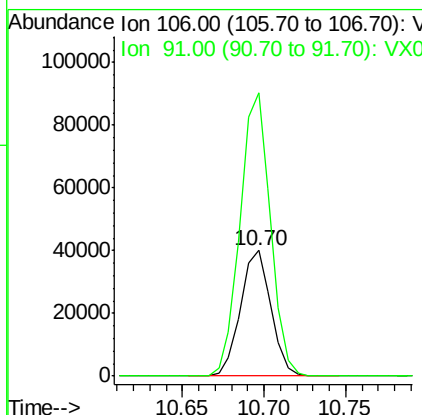
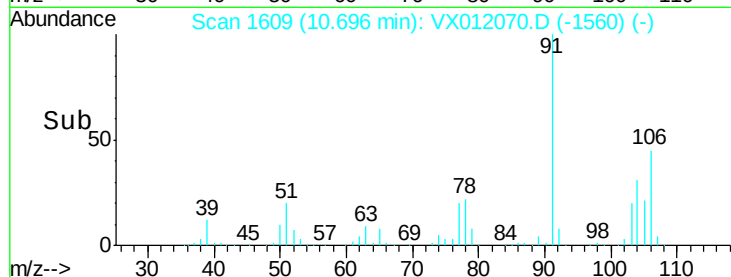
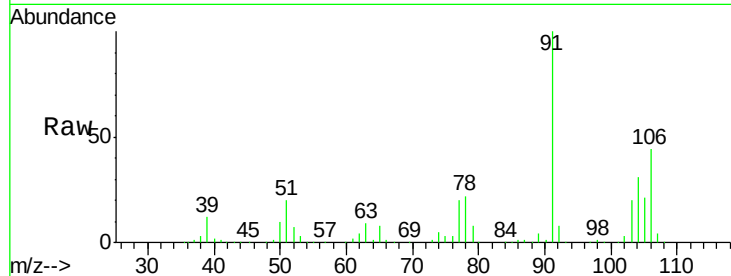
#69
o-Xylene
Concen: 18.810 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleID :
VX0904SBSD02

Tot Ion:106 Resp: 52075
Ion Ratio Lower Upper
106 100
91 225.7 103.5 310.3

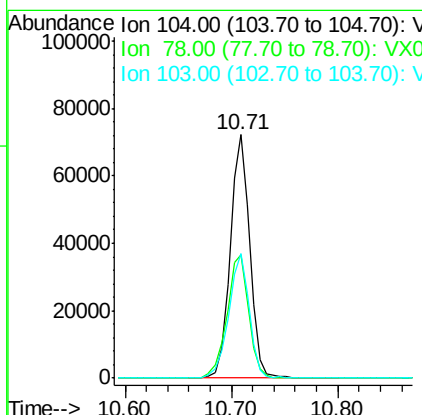
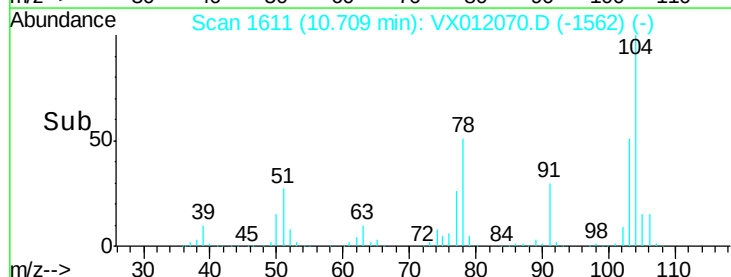
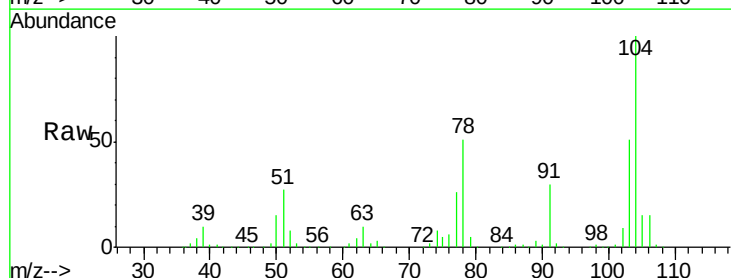
Manual Integrations
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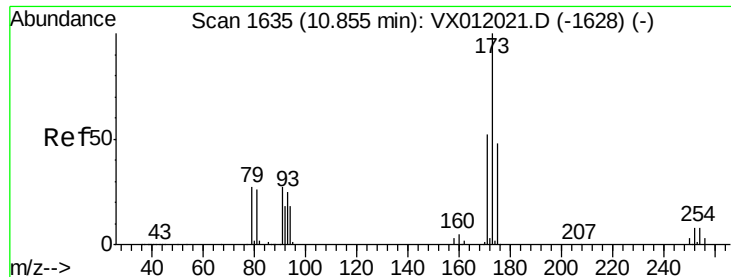
sam
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#70
Styrene
Concen: 19.250 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion:104 Resp: 92567
Ion Ratio Lower Upper
104 100
78 56.7 39.1 58.7
103 54.3 43.4 65.2





#71

Bromoform

Concen: 19.465 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion:173 Resp: 16618

Ion Ratio Lower Upper

173 100

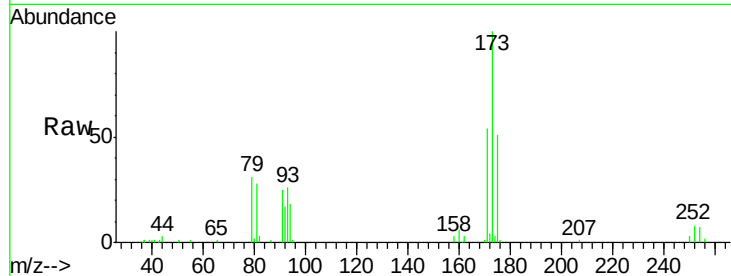
175 49.5 24.9 74.7

254 0.0 0.1 0.1#

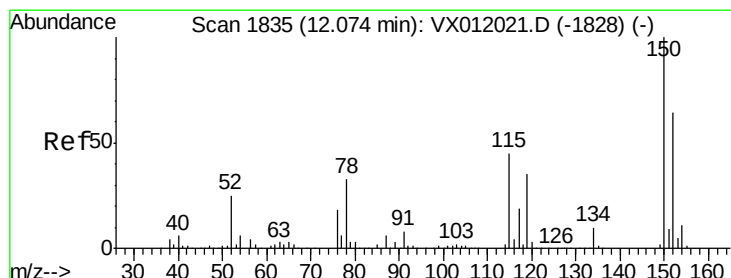
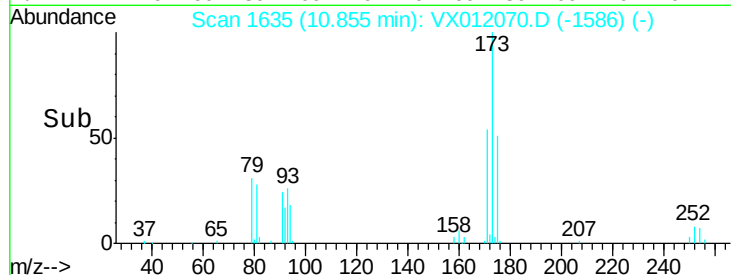
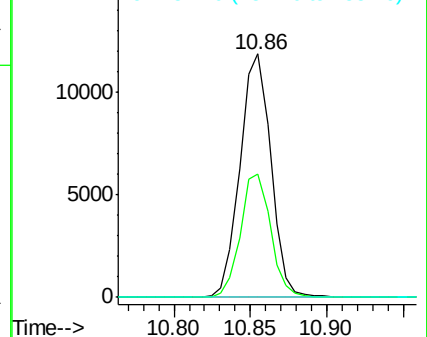
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

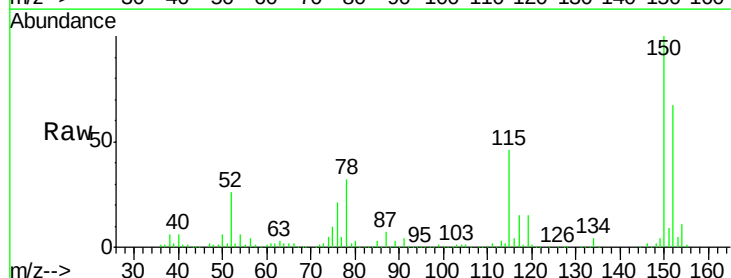
Tgt Ion:152 Resp: 103863

Ion Ratio Lower Upper

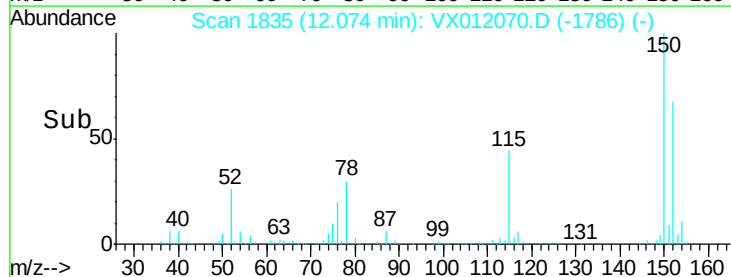
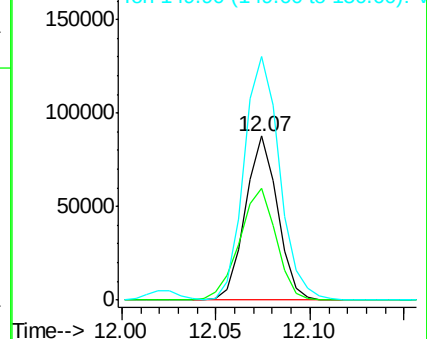
152 100

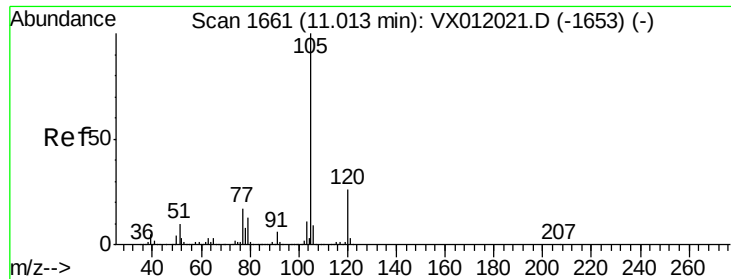
115 77.6 36.4 109.3

150 164.1 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.330 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion: 105 Resp: 139687

Ion Ratio Lower Upper

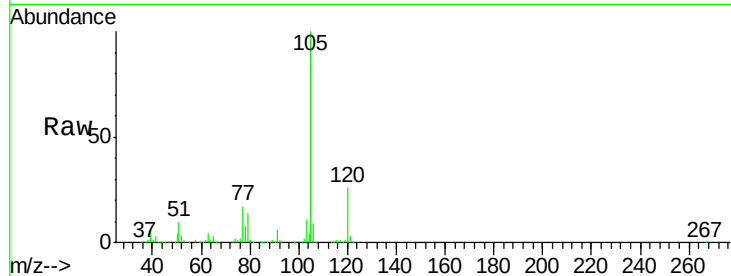
105 100

120 26.3 13.9 41.6

Manual Integrations
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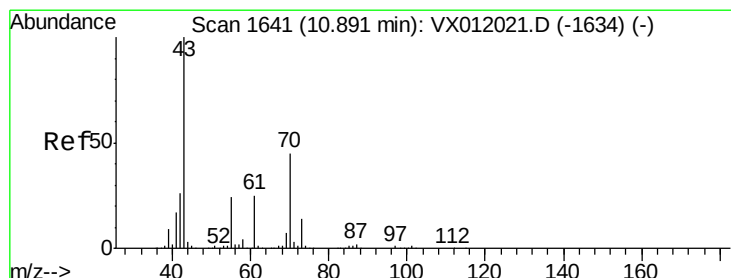
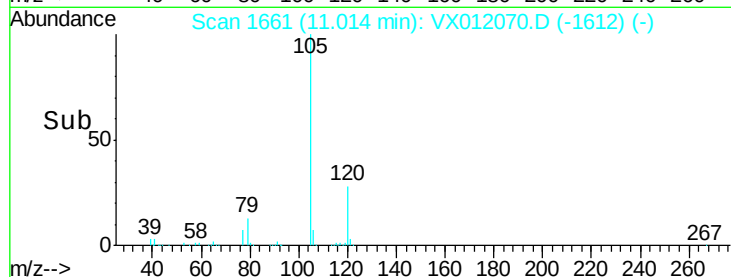
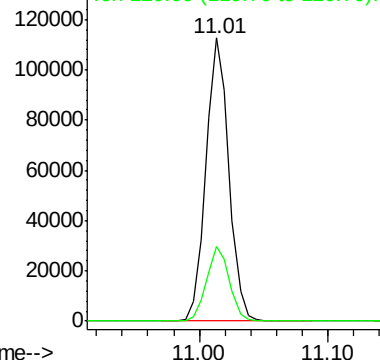
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.161 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion: 43 Resp: 43172

Ion Ratio Lower Upper

43 100

70 41.7 34.4 51.6

55 23.5 18.5 27.7

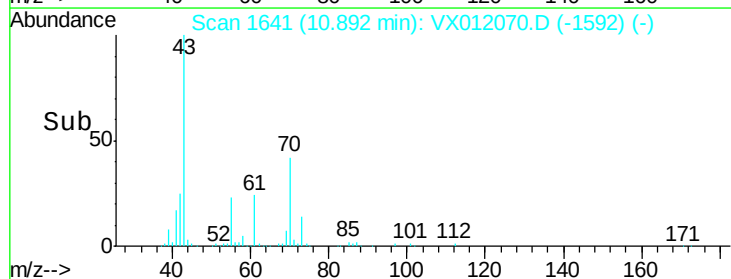
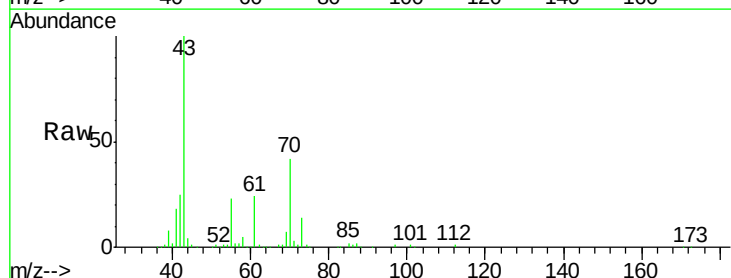
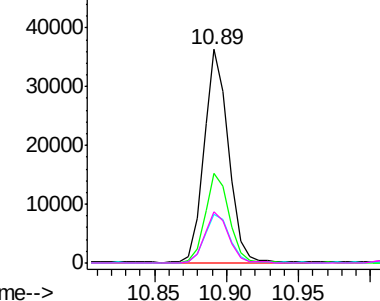
61 23.8 19.5 29.3

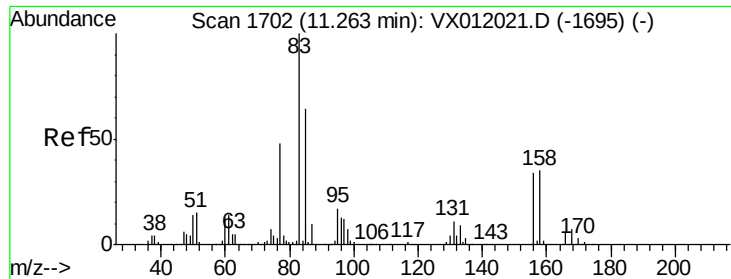
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.211 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

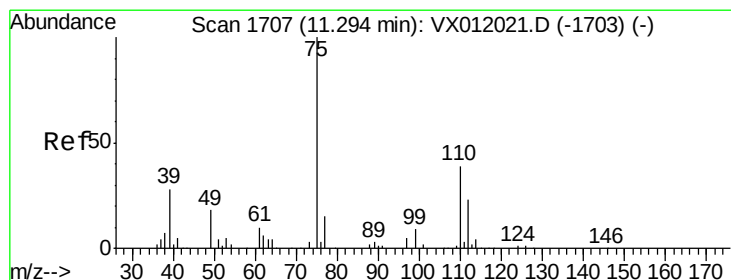
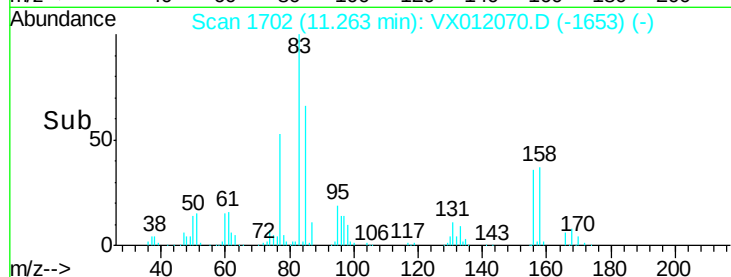
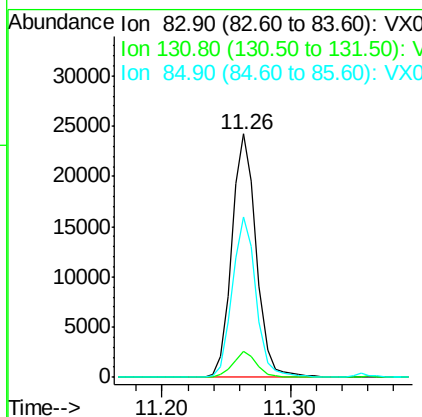
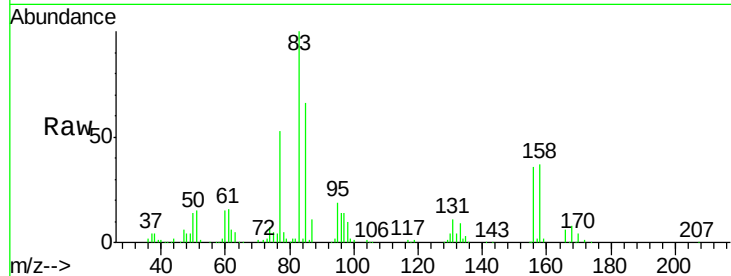
ClientSampleId :

VX0904SBSD02

Tot Ion:	83	Resp:	32109
Ion Ratio	Lower	Upper	
83	100		
131	10.3	6.3	19.1
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.188 ug/l m

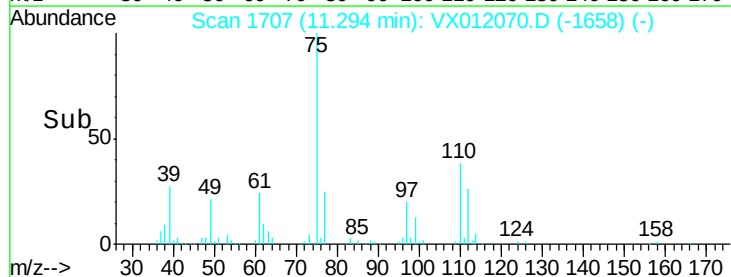
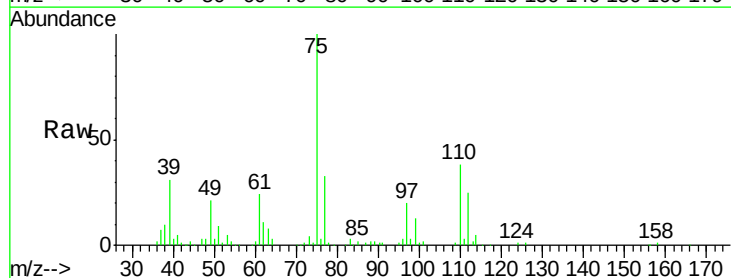
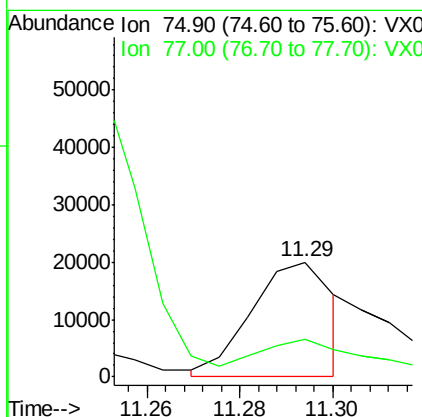
RT: 11.29 min Scan# 1707

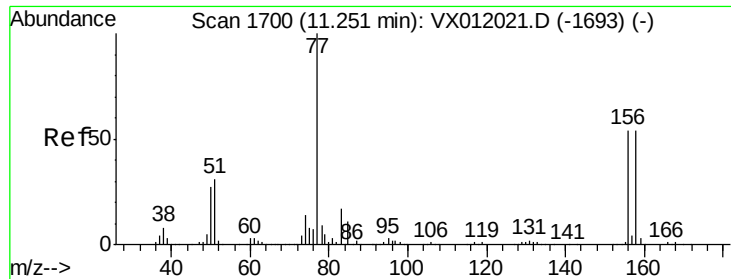
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	75	Resp:	24351
Ion Ratio	Lower	Upper	
75	100		
77	44.7	23.5	70.5





#77

Bromobenzene

Concen: 20.179 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

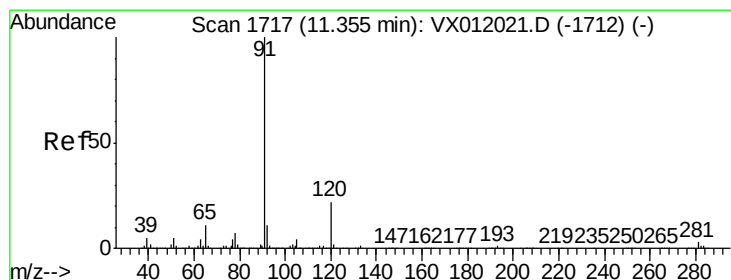
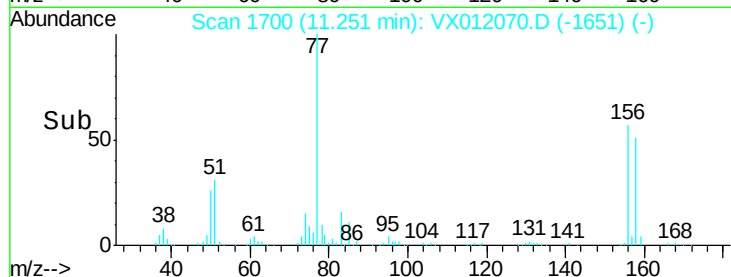
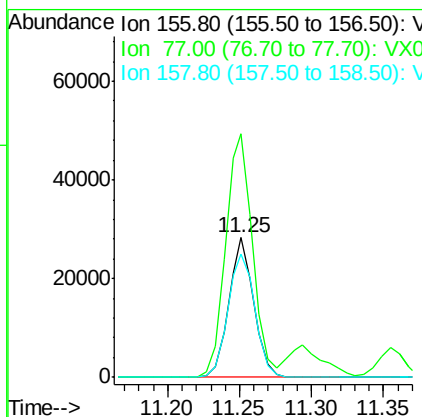
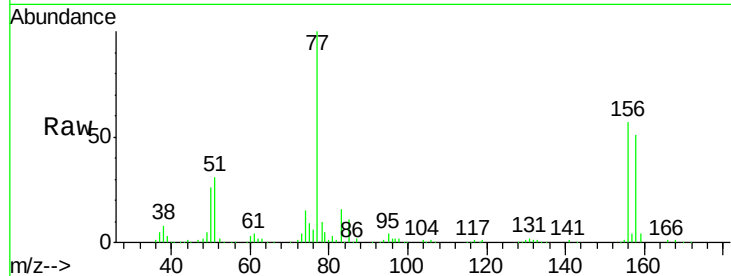
ClientSampleId :

VX0904SBS02

Tot Ion:	156	Resp:	34392
Ion	Ratio	Lower	Upper
156	100		
77	188.3	63.4	190.2
158	95.5	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 17.842 ug/l

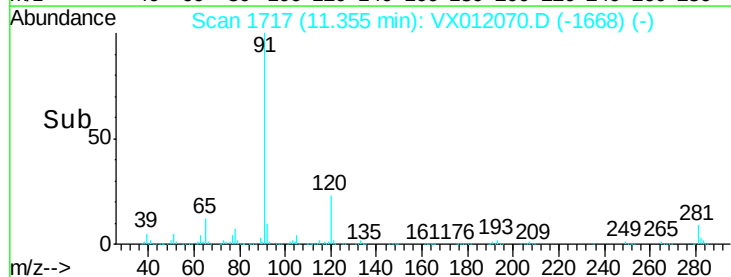
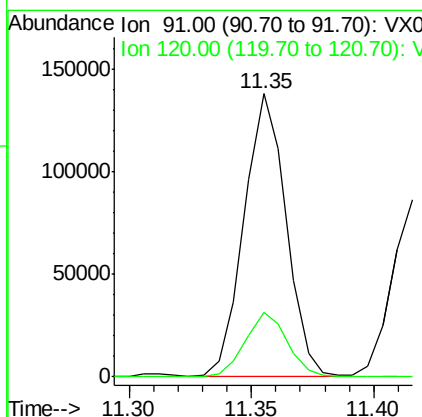
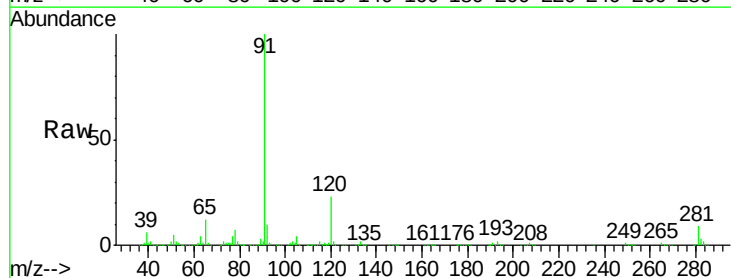
RT: 11.35 min Scan# 1717

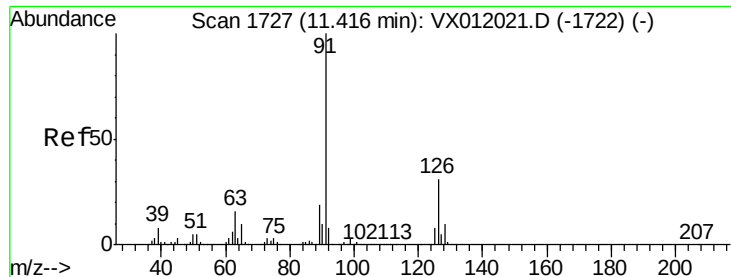
Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Tgt Ion:	91	Resp:	164266
Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.745 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD02

Tot Ion: 91 Resp: 104550

Ion Ratio Lower Upper

91 100

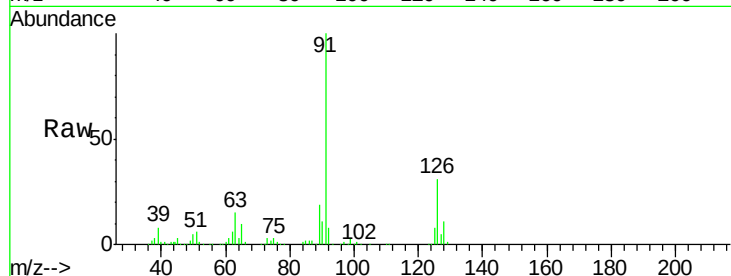
126 31.9 18.6 55.8

Manual Integrations

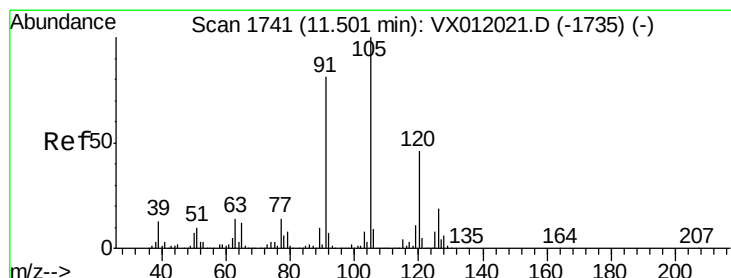
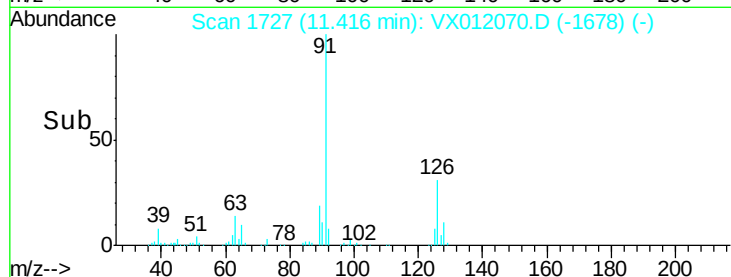
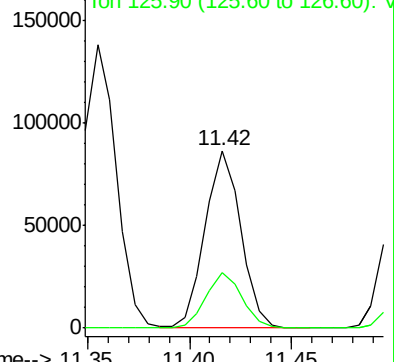
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Abundance Ion 91.00 (90.70 to 91.70): VX012070.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.844 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012070.D

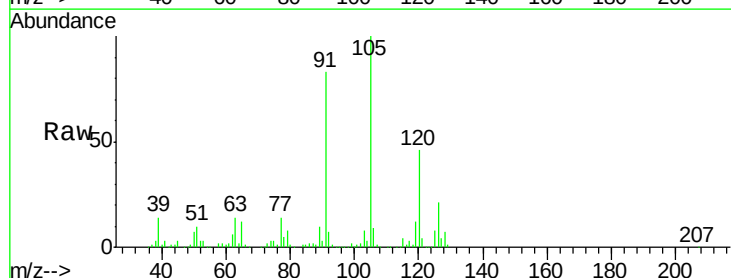
Acq: 05 Sep 2019 00:33

Tgt Ion: 105 Resp: 125846

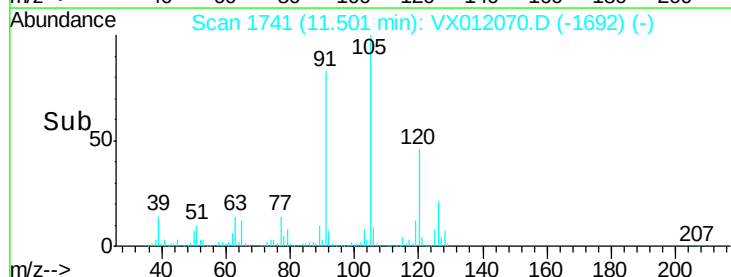
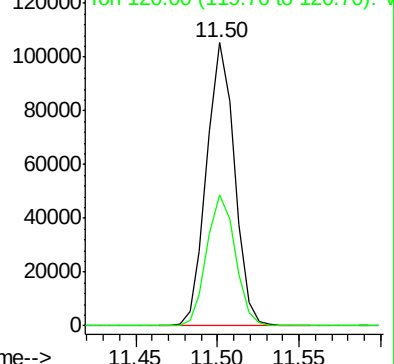
Ion Ratio Lower Upper

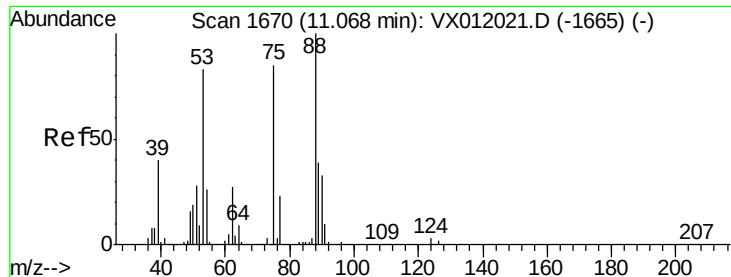
105 100

120 47.2 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012070.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.405 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS02

Tot Ion: 75 Resp: 8806

Ion Ratio Lower Upper

75 100

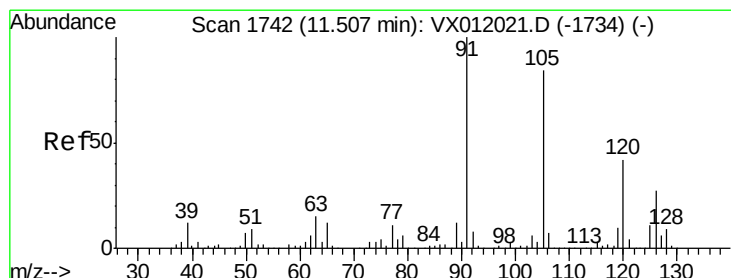
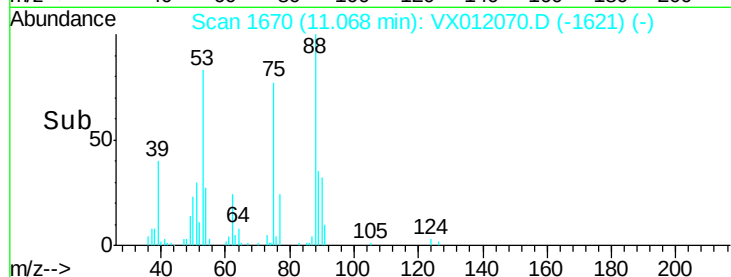
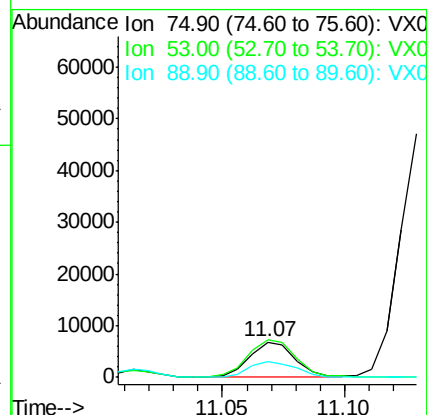
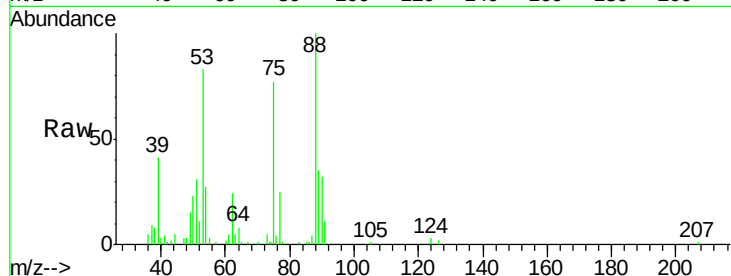
53 111.0 78.6 117.8

89 48.2 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.487 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012070.D

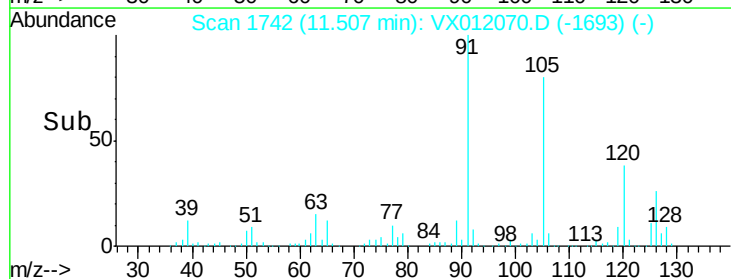
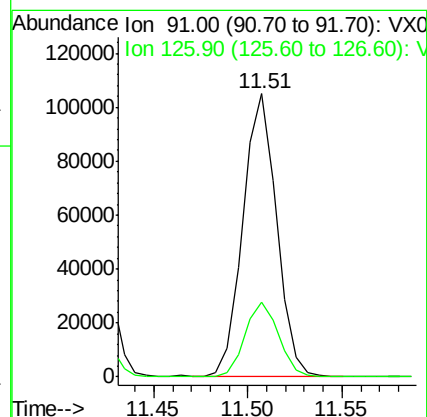
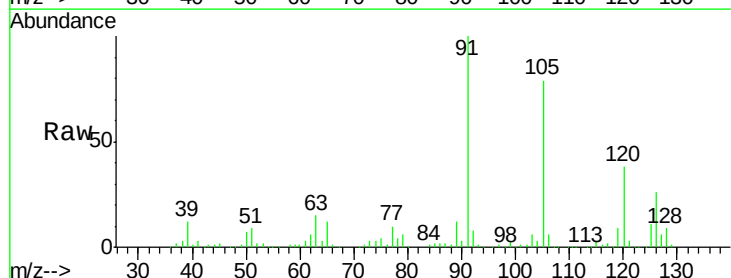
Acq: 05 Sep 2019 00:33

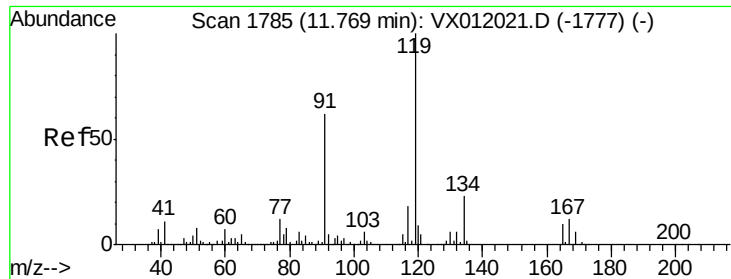
Tgt Ion: 91 Resp: 129551

Ion Ratio Lower Upper

91 100

126 26.4 16.2 48.6





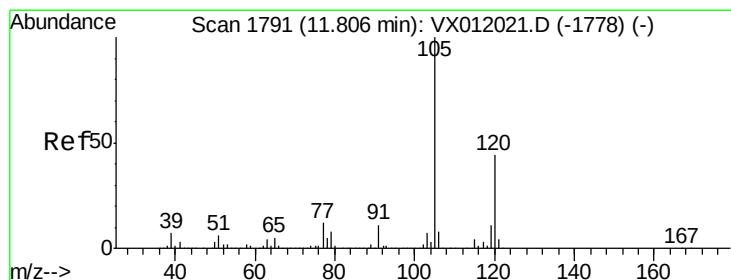
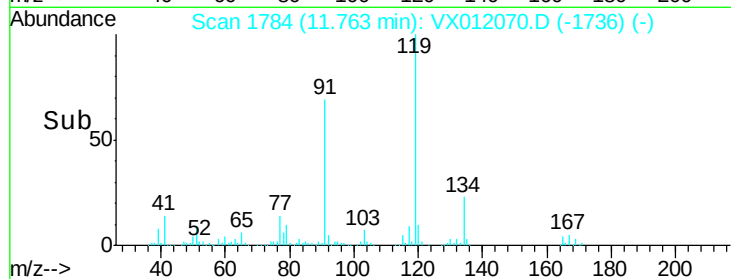
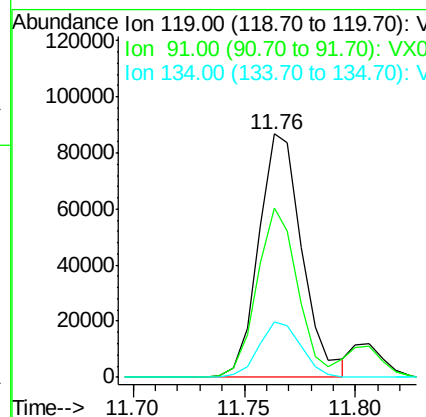
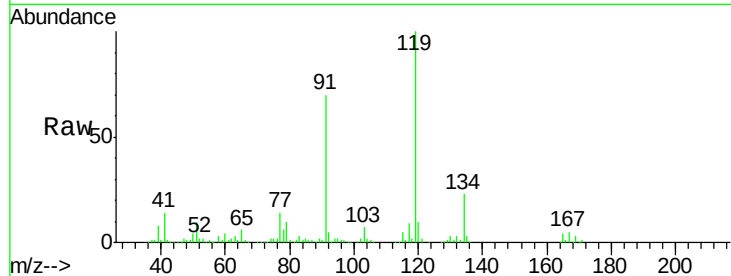
#83
 tert-Butylbenzene
 Concen: 18.553 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118096		
91	64.9	27.1	81.2	
134	21.9	12.1	36.3	

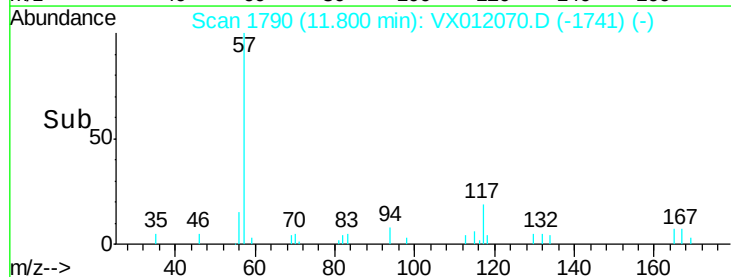
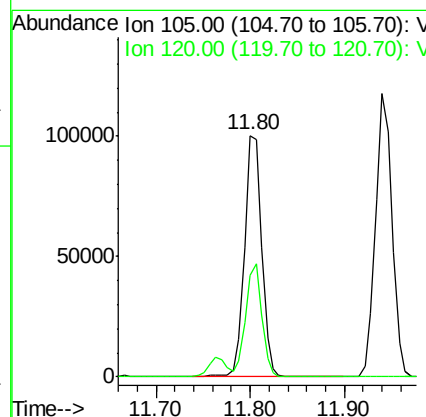
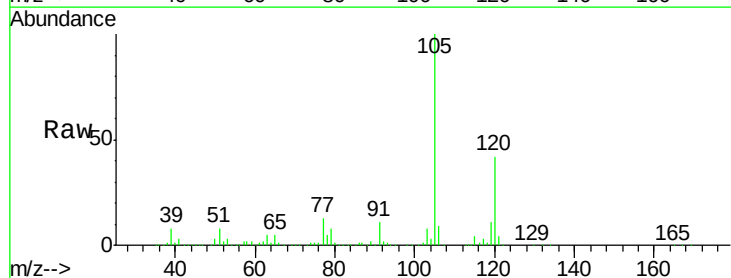
Manual Integrations
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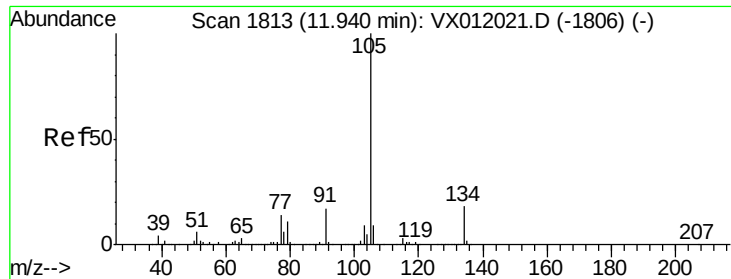
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.626 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	127845		
120	44.3	23.6	70.8	





#85

sec-Butylbenzene

Concen: 18.206 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

Instrument :

MSVOA_X

ClientSampled :

VX0904SBS02

Tot Ion:105 Resp: 143937

Ion Ratio Lower Upper

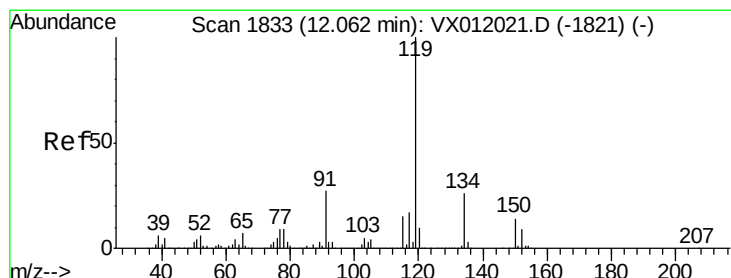
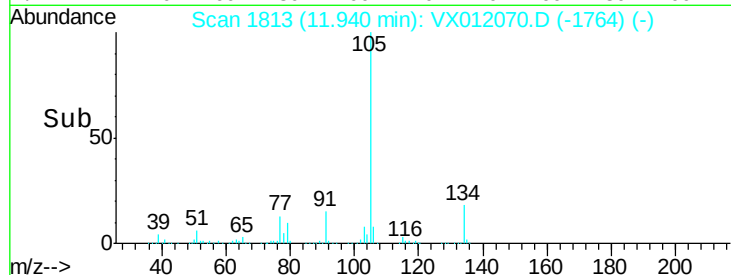
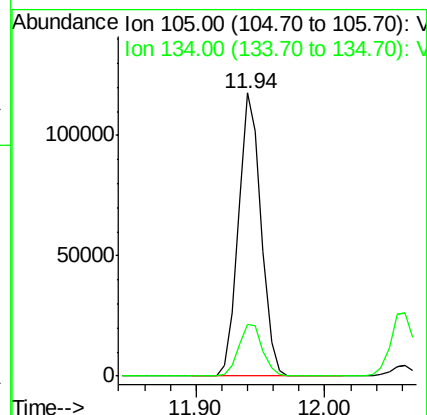
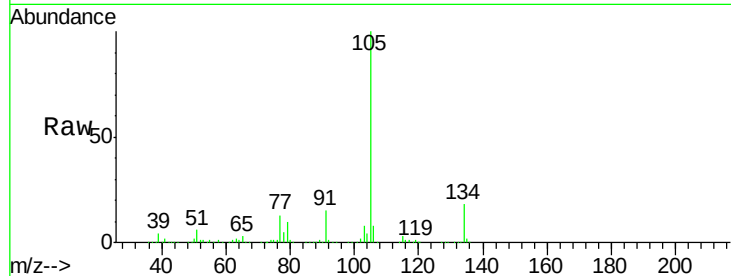
105 100

134 19.1 11.2 33.6

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#86

p-Isopropyltoluene

Concen: 18.082 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012070.D

Acq: 05 Sep 2019 00:33

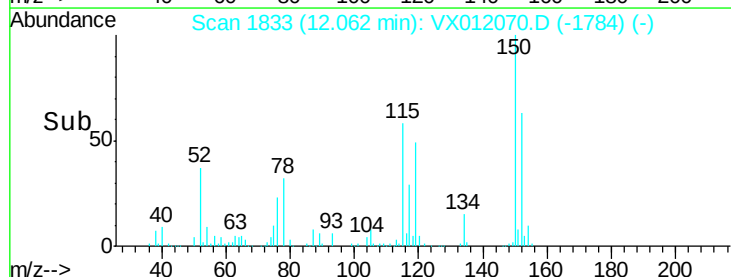
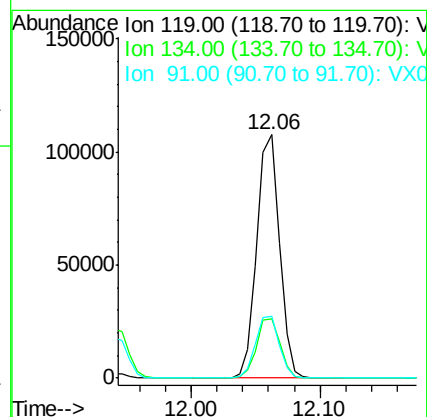
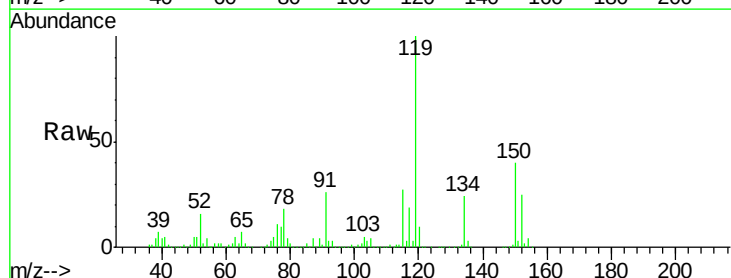
Tgt Ion:119 Resp: 130008

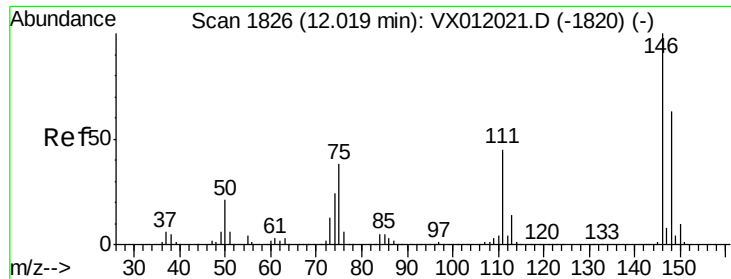
Ion Ratio Lower Upper

119 100

134 25.4 13.7 41.1

91 26.7 11.4 34.1





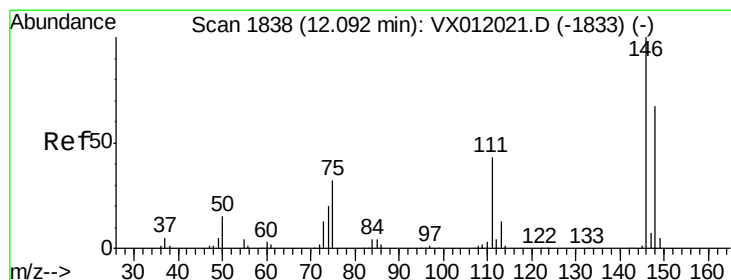
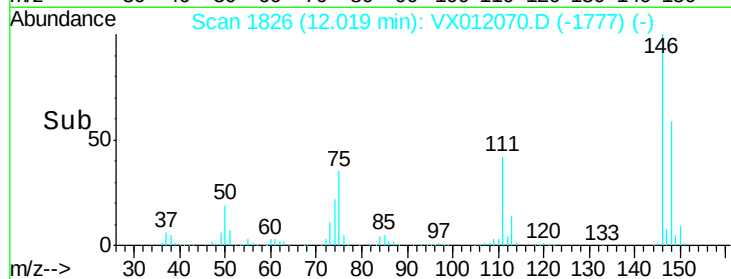
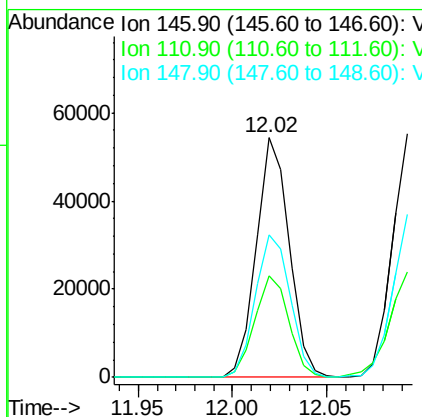
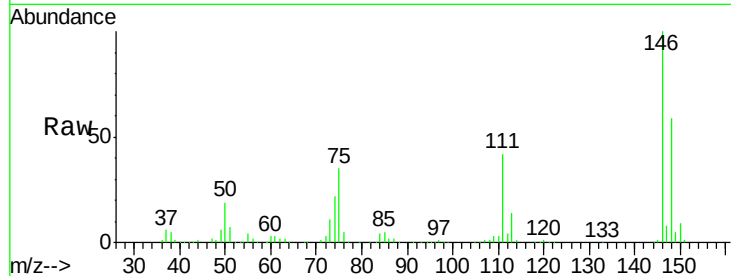
#87
 1,3-Dichlorobenzene
 Concen: 19.379 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.1	54.1
148	63.0	32.6	97.8

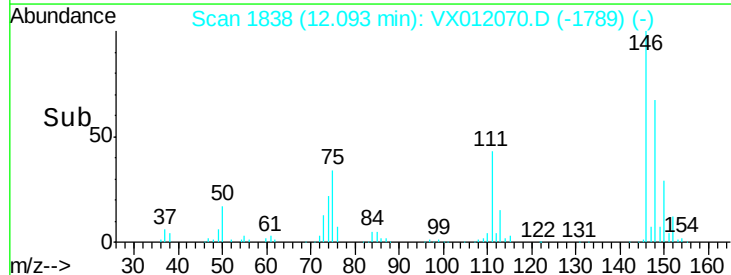
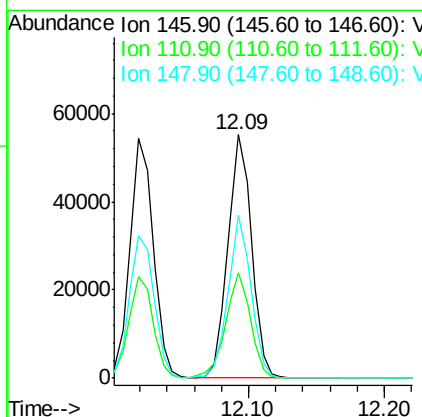
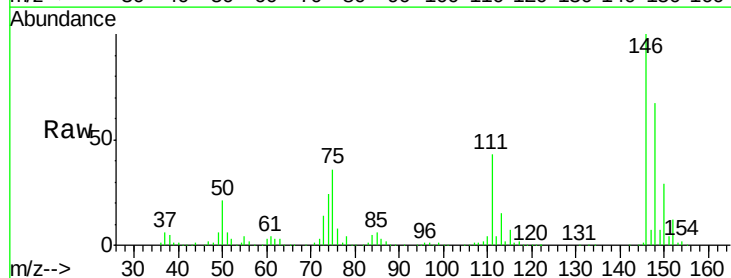
Manual Integrations
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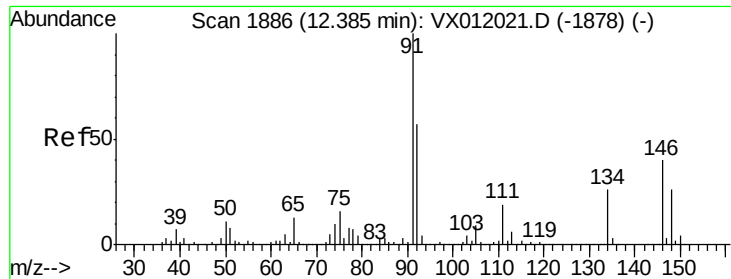
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#88
 1,4-Dichlorobenzene
 Concen: 19.573 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	17.7	53.1
148	64.9	32.4	97.0





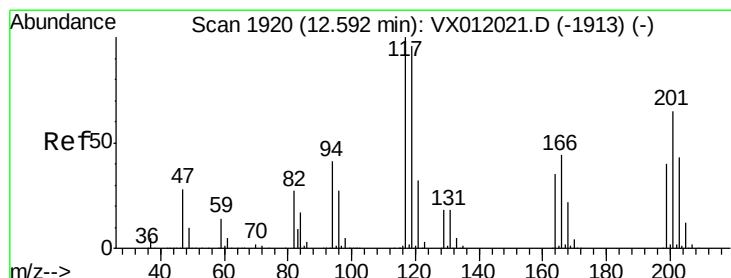
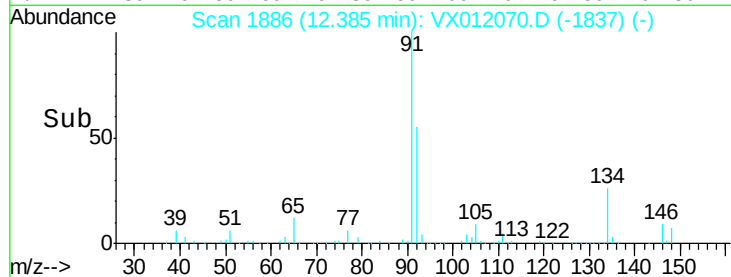
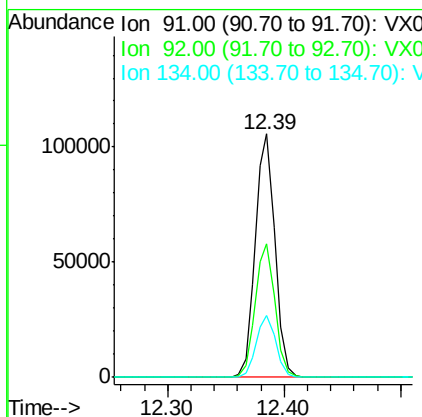
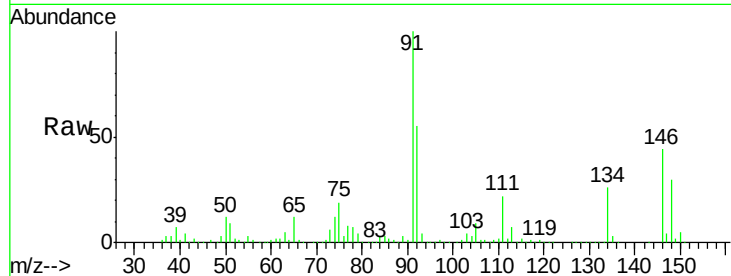
#89
n-Butylbenzene
Concen: 17.824 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	124488		
92	55.0	27.6	82.8	
134	25.4	15.4	46.1	

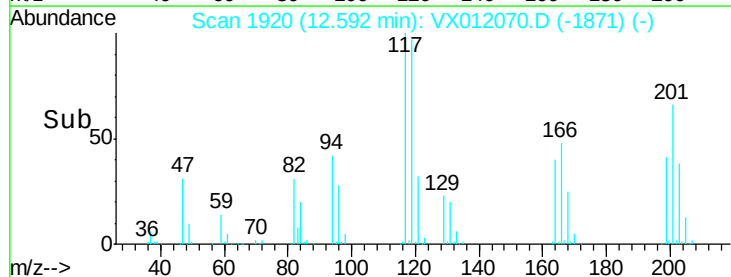
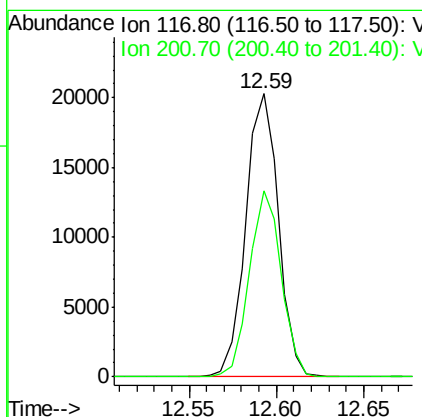
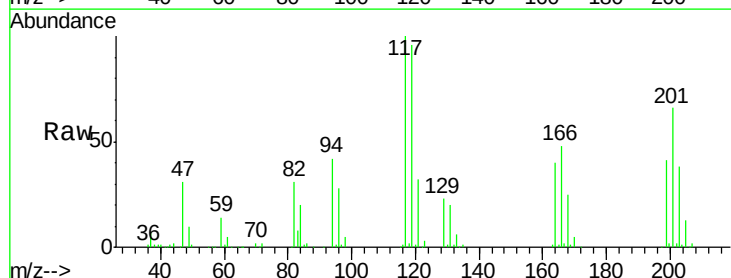
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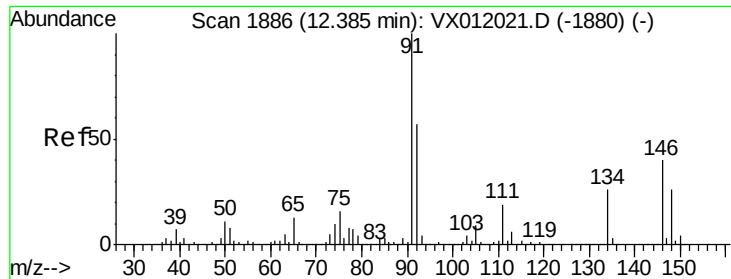
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#90
Hexachloroethane
Concen: 18.313 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26291		
201	64.3	55.0	165.2	





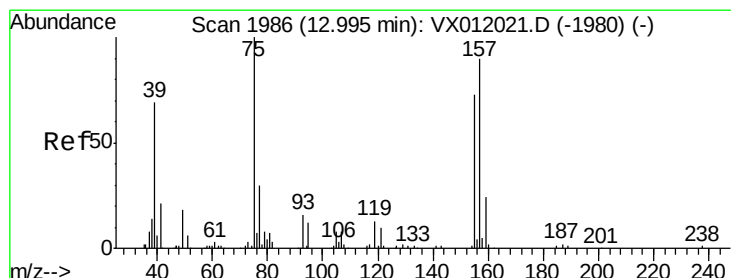
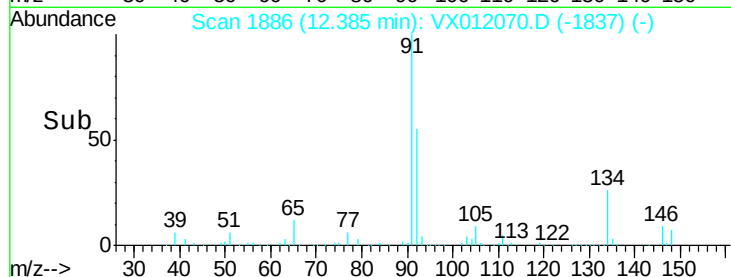
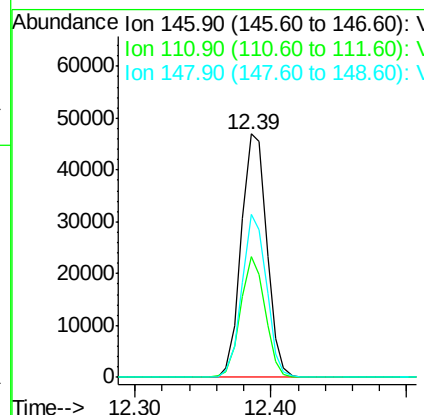
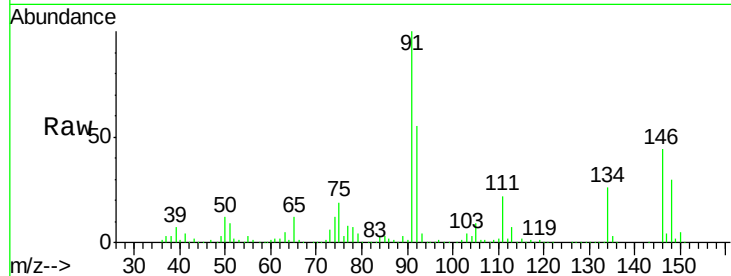
#91
 1,2-Dichlorobenzene
 Concen: 20.035 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	18.6	56.0
148	64.0	32.4	97.2

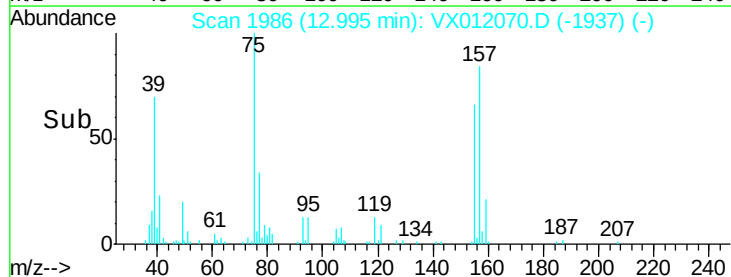
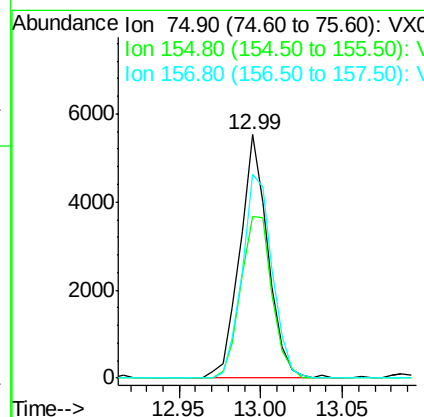
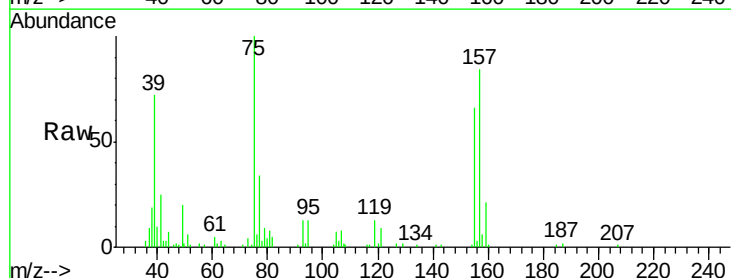
Manual Integrations
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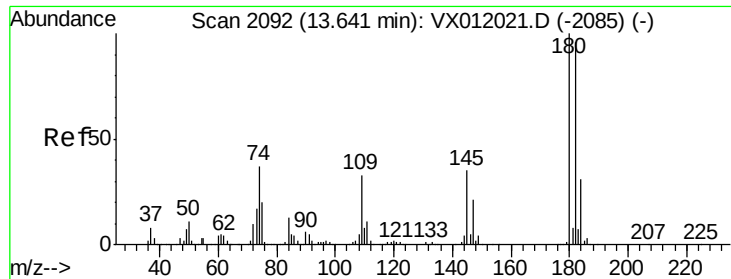
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.841 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012070.D
 Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	51.7	155.2
157	89.4	66.9	200.7





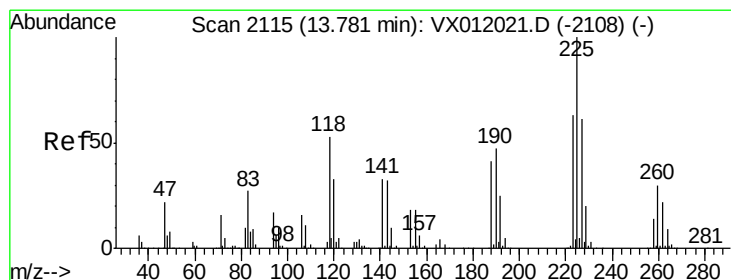
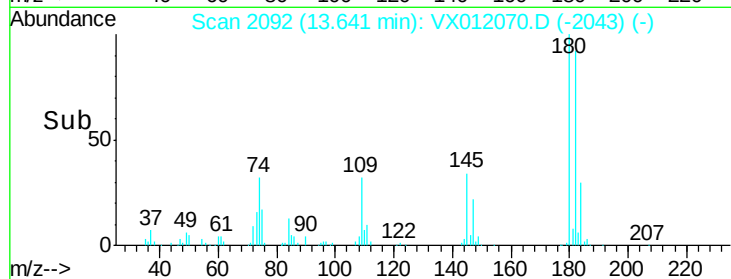
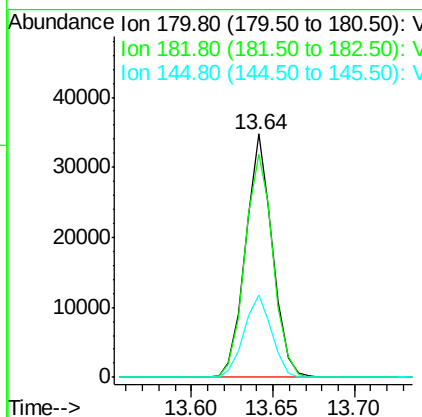
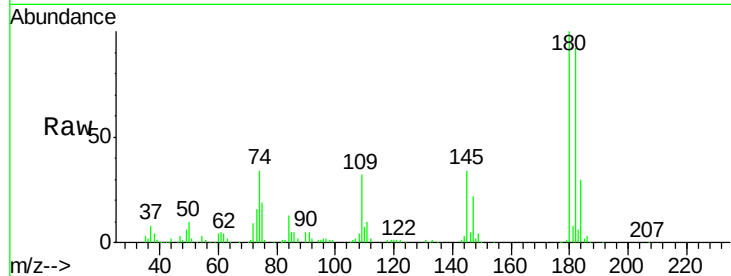
#93
1,2,4-Trichlorobenzene
Concen: 18.210 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.3	142.0	
145	34.9	13.7	41.0	

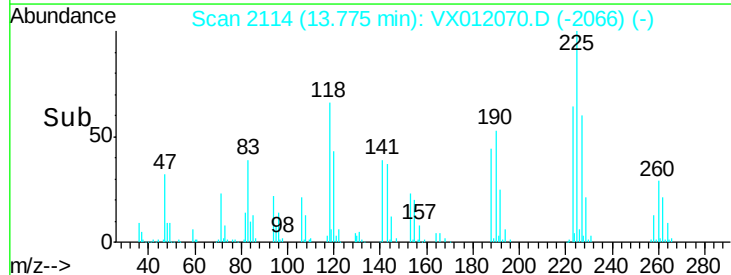
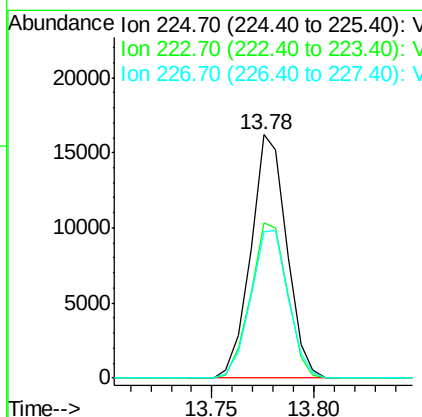
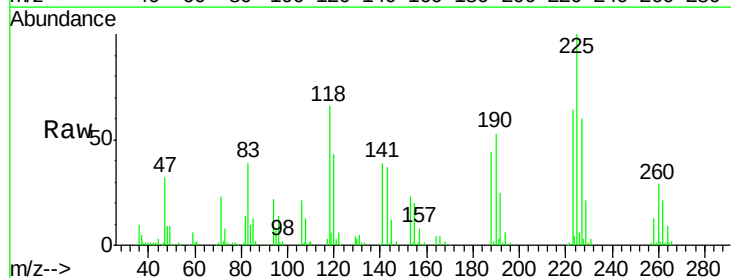
Manual Integrations
APPROVED

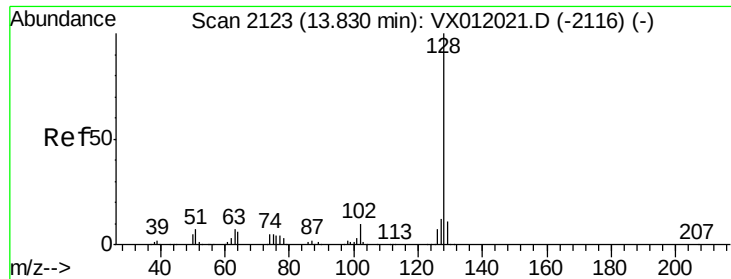
sam
9/5/2019 2:56:06 PM



#94
Hexachlorobutadiene
Concen: 18.000 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	31.6	95.0	
227	63.2	32.5	97.5	





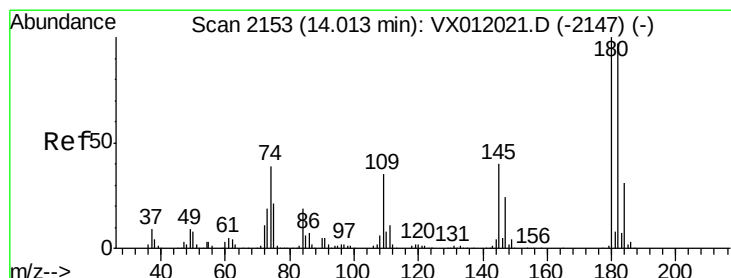
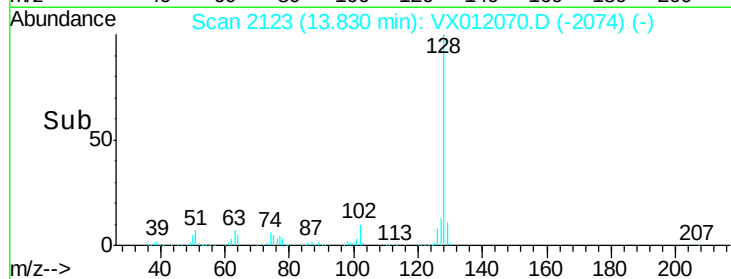
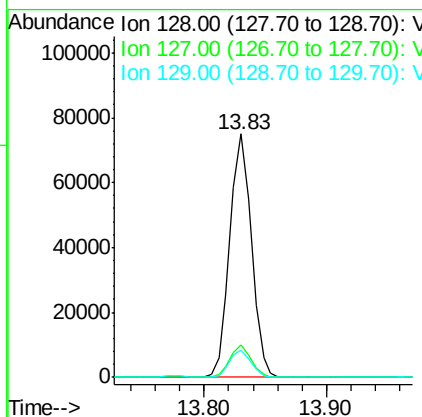
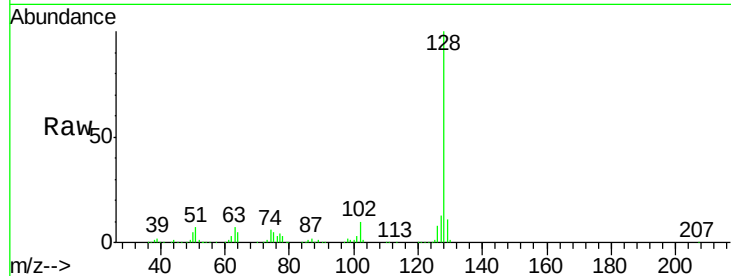
#95
Naphthalene
Concen: 19.474 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

sam
9/5/2019 2:56:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.748 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012070.D
Acq: 05 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.6
145	37.9	14.1	42.4

